

Nokia 6682 User Guide

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ISSUE 1 EN

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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.

FCC INDUSTRY CANADA NOTICE

Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

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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 phone 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 phones may be susceptible to interference, which could affect performance.



SWITCH OFF IN HOSPITALS Follow any restrictions. Switch the phone off near medical equipment.



SWITCH OFF IN AIRCRAFT Follow any restrictions. Wireless phones can cause interference in aircraft.



SWITCH OFF WHEN REFUELLING Don't use the phone at a refuelling point. Don't use near fuel or chemicals.



SWITCH OFF NEAR BLASTING Follow any restrictions. Don't use the phone where blasting is in progress.



USE SENSIBLY Use only in the normal position as explained in the product documentation. Don't touch the antenna 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 phone 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 PHONES When connecting to any other phone, read its user guide for detailed safety instructions. Do not connect incompatible products.



EMERGENCY CALLS Ensure the phone function of the phone is switched on and in service. Press End as many times as needed to clear the display and return to the start screen. Enter the emergency number, then press Call. 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, 1800, and 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 phone must be switched on. Do not switch the device on when wireless phone 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.

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. Contact your service provider for more information.


This wireless device is a 3GPP GSM Release 99 terminal supporting GPRS service, and is designed to support also Release 97 GPRS networks. However, there may be some compatibility issues when used in some Release 97 GPRS networks. For more information, contact your service provider.

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

browser or over MMS, require network support for these technologies.

Enhancements, batteries, and chargers

Check the model number of any charger before use with this phone. This phone is intended for use when supplied with power from ACP-7, ACP-8, ACP-9, ACP-12, and LCH-12.

 **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.

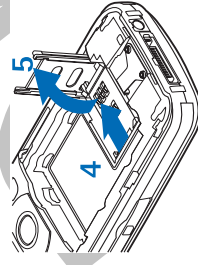
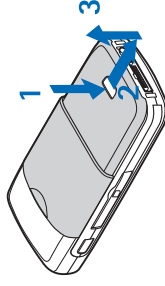
Your phone and its enhancements may contain small parts. Keep them out of reach of small children.

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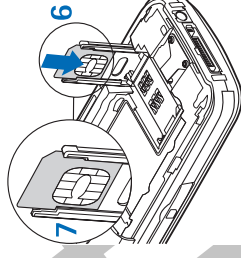
Your phone

Insert the SIM or USIM card and battery

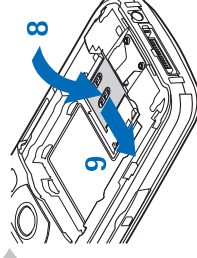
- 1 With the back of the phone facing you, press the release button (1), and slide the cover in the direction of the arrow (2).
- 2 Lift the cover (3).
- 3 To release the SIM card holder, slide the holder in the direction of the arrow (4), and open it (5).



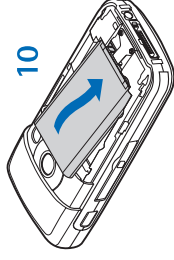
- 4 Insert the SIM or USIM card into the holder (6). Make sure that the bevelled corner (7) on the SIM card is facing upward from the holder and that the contact area on the card is facing the connectors on the device.



- 5 Close the SIM card holder (8), and lock it into place (9).

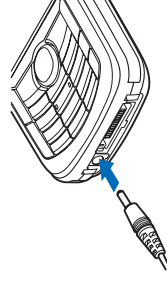


- 6 Insert the battery (10).
- 7 Replace the back cover.



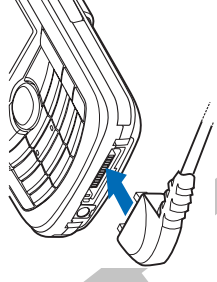
Charge the battery


- 1 Connect the charger to a wall outlet.
- 2 Connect the power cord to the phone.
The battery indicator bar starts scrolling. The phone can be used while charging. If the battery is completely discharged, it may take a few minutes before the charging indicator is shown.
- 3 When the battery is fully charged, the bar stops scrolling. Disconnect the charger, first from the phone, then from the wall outlet.



Headset


Connect the compatible headset to the Pop-Port™ connector of your phone.



 **Warning:** This headset may affect your ability to hear sounds around you. Do not use this headset in situations that may not be safe.


The wrist strap

Thread the strap and then tighten it.

 **Note:** Use only Nokia approved enhancements.

Keypad lock (keyguard)

Use the keypad lock to prevent the keys from being accidentally pressed.

To lock the keypad, in the standby mode, press the left selection key, then *. When the keys are locked,  is shown on the display.

To unlock the keypad, press the left selection key, then *. When the keypad lock is on, calls still may be possible to the official emergency number programmed into your device. Enter the emergency number, and press the call key.

To turn on the display light when the keypad lock is on, press the power key.

Standby mode shortcuts

To switch between applications that are open, press and hold the menu key. If memory is low, the phone may close some applications. The phone saves any unsaved data before closing an application.

To open Camera, scroll up.

To open Contacts, scroll down.

To open Calendar, scroll right.

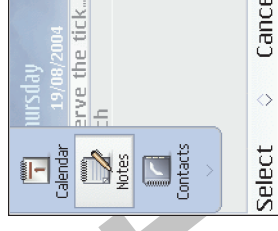
To write a new text message, scroll left.

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

To open the last dialled numbers list, press the call key.

To use voice commands, press and hold the voice key.

To start a connection to Web, press and hold O.



Tips for efficient use

To mark an item in a list, scroll to it, and press the edit and scroll keys at the same time.

To mark multiple items in a list, press and hold the edit key, while you scroll up and down. A check mark is placed next to the selected items.

To end the selection, release the scroll key, then release the edit key. After you select all the items you want, you can move or delete them.

In some situations, when you press the scroll key, a shorter options list shows the main commands available in the view.

To copy and paste text: To select letters and words, press and hold the edit key, and scroll up and down. As the selection moves, text is highlighted. To copy the text to clipboard, simultaneously press and hold the edit key and select Copy. To insert the text into a document, simultaneously press and hold the edit key and select Paste.



Help

Your phone has a help function. To access it from an application, select **Options > Help**.

For example: To view instructions on how to create a contact card, start to create a contact card, and select **Options > Help**; or select **Tools > Help** to open the instructions for

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

Accessibility solutions

Nokia is committed to making mobile devices easy to use for all individuals, including those with disabilities. For more information, visit www.nokiaaccessibility.com.

Register your phone

Make sure to register your phone at www.warranty.nokiausa.com or 1-888-NOKIA-2U (1-888-665-4228) so that we can serve your needs better if you should need to call the center or have your device repaired.

Copyright protection

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

Keys and parts

Power key (1)

Memory card slot (2)

End key (3)

The clear key (4) deletes text and items.

The edit key (5) opens a list of commands when you edit text, such as Copy, Cut, and Paste.

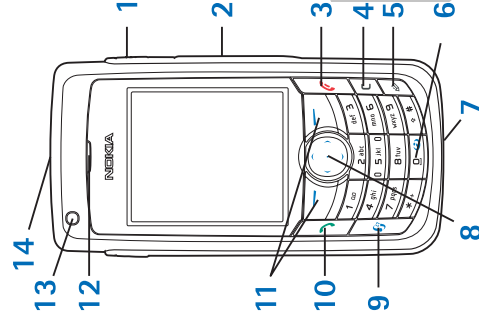
Press and hold 0 (6) as a shortcut to a Web connection.

Microphone (7)

A 5-way scroll key (8) to move around the menus. Press the Scroll key in the middle to select, accept, or activate.

The menu key (9) opens the main menu, as shown in the picture.

Call key (10)



The left and right selection keys (11) select the commands and items shown on the display.

Earpiece (12)

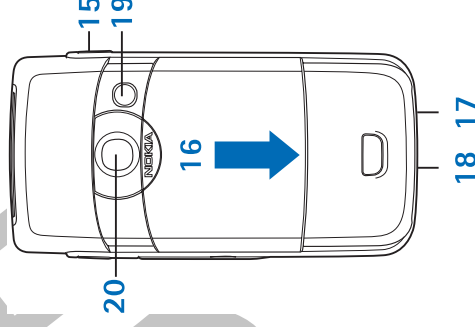
The light sensor (13) constantly observes the lighting conditions. May cause the display and keypad to flash in low light.

Loudspeaker outlet (14)

Press the voice key (15) during a call to change

between the handset and loudspeaker. Press and hold the voice key in the standby mode to activate voice commands.

With the keypad lock on, open the camera slide (16) to activate the camera. Closing the camera slide returns the phone to the previous mode.



Charger connector (17)

Pop-Port connector (18) for the USB data cable, headset, and other enhancements.

LED flash (19)

Camera (20) for high resolution image capture or video recording.

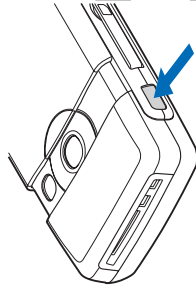
Switch the phone on

Press and hold the power key.

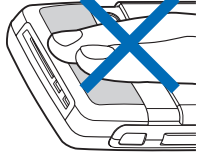
If the phone asks for a PIN code, UPIN code, or lock code, enter the code (displayed as ****), and select OK.

The PIN or UPIN code is usually supplied with the SIM or USIM card. The factory setting for the lock code is 12345.

Your device has a built-in antenna.



Note: As with any other radio transmitting device, do not touch the antenna 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. Avoiding contact with the antenna area when operating the device optimizes the antenna performance and the battery life.



About the display

Remove the protective plastic film covering the display.

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

First settings

- 1 When you switch on the phone for the first time, it may ask you to set the following information:
City, Time, and Date: Use the scroll key and number keys. Enter the first letters of the city name to find the

city. The city selected also defines the time zone for the clock in your phone.

- 2 Press the menu key to open the main menu.




Note: Your service provider/network operator may have requested a different order for menu items or the inclusion of different icons in the phone menu.


Contact your service provider, network operator, or Nokia Customer Care for assistance with any features that differ from those described in this guide.

Configure MMS and Internet settings



Your Nokia 6682 device has a configuration tool, which automatically configures MMS, GPRS, streaming, and Internet settings based on your service provider information. You may also have settings from your service providers already in your phone.

Essential indicators


 The phone is being used in a GSM network.


 You have received one or several messages to the Inbox folder in Messaging.

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

 and  You have missed calls.

 Shown if Ringing type is set to Silent and Message alert tone, IM alert tone, and E-mail alert tone are set to Off.

 The phone keypad is locked.

 You have an active clock alarm.

 The second phone line is being used.


 All calls to the phone are diverted to another number. If you have two phone lines, the divert indicator for the first line is  and for the second line is .

 A headset, music stand, or Bluetooth device is connected to the phone.


 A loopset is connected to the phone.


 A car kit is connected to the phone.



 The connection to a Bluetooth-enabled headset has been lost.

 A data call is active.

 A GPRS or EDGE packet data connection is available.


 A GPRS or EDGE packet data connection is active.

 A GPRS or EDGE packet data connection is on hold.

 Bluetooth connectivity has been set to On.
 Data is being transmitted using a Bluetooth connection.

 A USB connection is active.

 You have an e-mail that has been read, waiting for you to retrieve to your phone.

 You have an e-mail that has not been read, waiting for you to retrieve to your phone.



Clock

 Options in Clock are Set alarm, Reset alarm, Remove alarm, Settings, Help, and Exit.

Press the menu key, and select Clock.

To set a new alarm, select Options > Set alarm. Enter the alarm time, and select OK. When the alarm is active, the  indicator is shown.

To turn off the alarm, select Stop. When the alarm tone sounds, press any key, or select Snooze to stop the alarm for five minutes, after which it will resume. You can do this a maximum of five times.

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 cancel an alarm, select Clock > Options > Remove alarm.


Clock settings

To change the clock settings, select Options > Settings in the clock.

To change the clock shown in the standby mode, scroll down, and select Clock type > Analogue or Digital.

To allow the mobile phone network to update the time, date, and time zone information to your phone (network service), scroll down, and select Auto time update. For the Auto time update setting to take effect, the phone restarts.

To change the alarm tone, scroll down, and select Clock alarm tone.

To change the daylight-saving time status, scroll down, and select Daylight-saving. Select On to add one hour to the My home city time. See "World clock," page 13. When the daylight-saving is active, the  indicator is shown in the clock main view.

World clock

Open Clock, and scroll right to open the world clock view. In the world clock view, you can view the time in different cities.

To add cities to the list, select **Options > Add city**. Enter the first letters of the city name. The search field appears automatically, and the matching cities are displayed. Select a city. You can add a maximum of 15 cities to the list.

To set your current city, scroll to a city, and select **Options > My home city**. The city is displayed in the main clock view, and the time in your phone is changed according to the city selected. Check that the time is correct and matches your time zone.

Volume and loudspeaker control

When you are in an active call or are listening to music or speech, scroll right to increase or left to decrease the volume.



The built-in loudspeaker allows you to speak and listen to the phone from a short distance without having to hold the phone to your ear. Sound applications use the loudspeaker by default.

To locate the loudspeaker, see 'Keys and parts' in the Quick start guide.

To use the loudspeaker during a call, start a call, and press the voice key.



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

To turn off the loudspeaker when you have an active call or are listening to a sound, press the voice key.

Insert the memory card

Use your memory card to save the memory on your phone. The sales package includes the following:



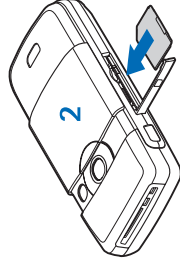
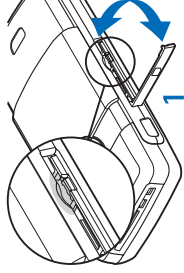
The memory card (reduced size multimedia card, RSM/MC).



The multimedia card (MMC) adapter.

The adapter is not needed when you use the memory card in your phone. The adapter allows you to use the memory card in another device that has a full-size MMC slot.

- 1 To insert the memory card, open the door (1) of the memory card slot. With the phone facing down, place your finger in the recess on top of the door and pull out the bottom of the door.
- 2 Insert the memory card in the slot (2). Make sure that the bevelled corner is facing towards the base of the phone and that the contact area on the card is facing down.
- 3 Push the card in (3). You can hear a click when the card locks into place.
- 4 Close the door. You cannot use the memory card if the door is open.



Eject the memory card



- 1 Open the door of the memory card slot.
- 2 Press the memory card to release it from the slot.
- 3 Remove the memory card. If your phone is switched on, press OK.



File manager



Many features of the phone use memory to store data. These features include contacts, messages, images, ringing tones, calendar and to-do notes, documents, and downloaded applications. The free memory available depends on how much data is already saved in the phone memory. You can use a memory card as extra storage space. Memory cards are rewritable, so you can delete and save data on a memory card.

To browse files and folders in the phone memory or on a memory card (if inserted), press the menu key, and select Tools > File mgr.. The phone memory view () opens. Scroll right to open the memory card view ().

To move or copy files to a folder, simultaneously press the edit and scroll keys to mark a file, and select **Options > Move to folder** or **Copy to folder**.

The icons in **File mgr.** are a folder (📁), and a folder with a subfolder (📁📁).

To find a file, select **Options > Find** and the memory from which to search, and enter a search text that matches the file name.

💡 **Tip!** You can use **Nokia Phone Browser** available in **Nokia PC Suite** to view the different memories in your phone. See the **CD-ROM** supplied in the sales package.

View memory consumption

To view the types of data in the phone and how much memory the different data types consume, select **Options > Memory details**. Scroll down to **Free memory** to view the amount of free memory in the phone.

To view the amount of free memory on the memory card, if you have a card inserted in the phone, scroll right to open the memory card view, and select **Options > Memory details**.

Memory low—free memory

The phone notifies you if the phone memory or memory card memory is getting low.

To free phone memory, transfer data to a memory card in the file manager. Mark files to be moved, select **Move to folder > Memory card** and a folder.

To remove data to free memory, use **File mgr.**, or go to the respective application. You can remove the following data:

- Messages from **Inbox**, **Drafts**, and **Sent** folders in **Messaging**
- Retrieved e-mail messages from the phone memory
- Saved Web pages
- Saved images, videos, or sound files
- Contact information
- Calendar notes
- Downloaded applications.

See 'Application manager', p. 99.

- Any other data that you no longer need



Memory card tool



Note: This device uses a reduced size dual voltage (1.8/3V) multimedia card (MMC). To ensure interoperability, use only dual voltage MMCs. Check the compatibility of an MMC with its manufacturer or provider.

Press the menu key, and select **Tools > Memory**. You can use a memory card as extra storage space. See "Inserting the memory card" in the Quick start guide. You can also back up information from phone memory, and restore the information to the phone later.

You cannot use the memory card if the door of the memory card slot is open.

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

Do not open the memory card slot door in the middle of an operation. Opening the slot door may damage the memory card as well as the device, and data stored on the card may be corrupted.

Options in the memory card tool are **Backup phone mem.**, **Restore from card**, **Format mem. card**, **Memory card name**, **Memory details**, **Help**, and **Exit**.

Use only compatible MMCs with this device. Other memory cards, such as secure digital (SD) cards, do not fit in the MMC 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.

To back up information from phone memory to a memory card, select **Options > Backup phone mem.**

To restore information from the memory card to the phone memory, select **Options > Restore from card**.

Format a memory card

When a memory card is formatted, all data on the card is permanently lost.



Tip! To rename a memory card, select **Options > Memory card name**.

Some memory cards are supplied preformatted and others require formatting. Consult your retailer to find out if you must format the memory card before you can use it.

To format a memory card, select **Options > Format mem. card**. Select **Yes** to confirm. When formatting is complete, enter a name for the memory card, and select **OK**.

Personalize your phone

You can customize many features on your Nokia 6682, such as the background image, theme, ringing tone, profile, clock preferences, and shortcuts.



Note: Your service provider or network operator may have requested a different order for menu items, or the inclusion of different icons in the phone menu. Contact your service provider or network operator or Nokia Customer Care for assistance with any features that differ from those described in this guide.

To change the shortcuts assigned for the different presses of the scroll key and selection keys in the standby mode, see 'Standby mode', p. 89.

To change the clock shown in the standby mode, select Clock > Options > Settings > Clock type > Analogue or Digital.

To change the clock alarm tone, select Clock > Options > Settings > Clock Alarm tone and a tone.

To change the calendar alarm tone, select Calendar > Options > Settings.

To change the welcome note to an image or text, select Tools > Settings > Phone > General > Welcome note or logo.

To assign an individual ringing tone to a contact, select Contacts. See 'Ringing tones for contacts', p. 28.

To assign a 1-touch dial (speed dial) to a contact, press a numbered key in the standby mode (1 is reserved for the voice mailbox), and press the call key. Select a contact. To change the 1-touch dialing status (press and hold a 1-touch dial key in the standby mode) to Off, select Tools > Settings > Call > Speed dialling.


To rearrange the main menu, in the main menu, select Options > Move, New folder or Move to folder. You can move less used applications into folders, and place applications that you use more often into the main menu.




Set tones

To set and customize the ringing tones, message alert tones, and other tones for different events, environments, or caller groups, press the menu key, and select Tools > Profiles. You can see the currently selected profile at the top of the display in the standby mode. If the General profile is in use, only the current date is shown.


To change the profile, press the power key in the standby mode. Scroll to the profile you want to activate, and select OK.


 **Tip!** You can choose Tone downloads to open a list of bookmarks. You can select a bookmark and start connection to a Web page to download tones.

To modify a profile, select Tools > Profiles. Scroll to the profile, and select Options > Personalise. Scroll to the setting you want to change, and press the scroll key to open the choices. Tones stored on the memory card are indicated with . Scroll through the tone list and listen to each one before you make your selection. Press any key to stop the sound.

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

Offline profile

The Offline profile lets you use the phone without connecting to the wireless network. When you activate the Offline profile, the connection to the wireless network is turned off, as indicated by  in the signal strength indicator. All wireless phone signals to and from the device are prevented. If you try to send messages, they are placed in the outbox to be sent later.

 **Tip!** For information on how to change the alert tone for the calendar or clock, see 'Personalize your phone', p. 17.



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



Warning: Your device must be switched on to use Offline profile. Do not switch the device on when wireless device use is prohibited or when it may cause interference or danger.

To leave the Offline profile, select another profile and Options > Activate > Yes. The phone re-enables wireless transmissions (providing there is sufficient signal strength). If a Bluetooth connection is activated before entering the Offline profile, it will be deactivated. A Bluetooth connection is automatically reactivated after leaving the Offline profile. See 'Bluetooth connection settings', p. 82.



Transfer content

You can copy contacts, calendar, images, video, and sound clips using a Bluetooth connection, from a compatible Nokia Series 60 phone.

You can use your Nokia 6682 device without a SIM card. Offline profile is automatically activated when the phone is switched on without a SIM card. This allows you to use the SIM card in another phone.

Before starting the transfer to your Nokia 6682 device, you must activate Bluetooth connectivity on both phones. On each phone press the menu key, and select **Connect. > Bluetooth**. Select **Bluetooth > On**. Give a name to each phone.

To transfer context:



- 1 Press the menu key, and select **Tools > Transfer**. Follow the instructions on the screen. The phone searches for devices with Bluetooth connectivity.
- 2 When the search is finished, select your other phone from the list.
- 3 Enter a code (1–16 digits), and select **OK**.
- 4 Enter the same code on the other phone, and select **OK**. The Transfer application is sent to the other phone as a message.
- 5 Open the message to install Transfer on the other phone, and follow the instructions on the screen. The application is added to the main menu.
- 6 From your Nokia 6682 device, select the content you want to copy from the other phone.

Content is copied from the memory and memory card of the other phone to your Nokia 6682 device and memory

card. Copying time depends on the amount of data to be transferred. You can cancel copying and continue later.



Themes—the look of your phone

To change the look of your phone display, such as the wallpaper, color palette, and icons, press the menu key, and select **Tools > Themes**. The active theme is indicated by . In Themes, group together elements from other themes, or select images from the **Gallery** to personalize themes further. The themes on the memory card are indicated by .

Options in the Themes main view are **Preview/Theme downloads**, **Apply**, **Edit**, **Copy to mem. card**, **Copy to phone mem.**, **Help**, and **Exit**.

To activate a theme, scroll to it, and select **Options > Apply**.

To preview a theme, scroll to it, and select **Options > Preview**.

To edit themes, scroll to a theme, and select **Options > Edit** to change the following options:

Wallpaper—The image to be shown as a background image in the standby mode.

Colour palette—The colors used on the screen.

Screen saver—The screen saver type: date and time, or a text you have written yourself.

Image in 'Go to'—The background image for the Go to application.

To restore the selected theme back to its original settings, select Options Restore orig. theme when you edit a theme.

Active standby mode

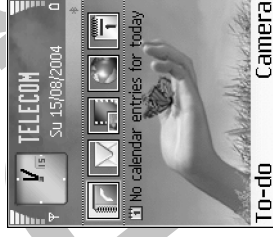
Use your standby display for fast access to your most frequently used applications.

To set the active standby mode on, press the menu key, select Tools > Settings > Phone > Standby mode > Active standby, and press the scroll key.

The active standby display is shown with default applications across the top of the screen, and calendar, to-do, and player events listed below.

Select an application or event.

The standard scroll key shortcuts available in the



standby mode cannot be used when the active standby mode is on.

- 1 To change the default applications shortcuts, press the menu key, select Tools > Settings > Phone > Standby mode > Active standby apps., and press the scroll key.
- 2 Highlight a shortcut to an application, and select Options > Edit.
- 3 Select a new application from the list, and press the scroll key.

Some shortcuts may be permanent, and you are not able to change them.

Make calls


Call

 **Tip!** To increase or decrease the volume during a call, scroll left or right.

- 1 In the standby mode, enter the phone number, including the area code. Press the clear key to remove a number.

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

- 2 Press the call key to call the number.
- 3 Press the end key to end the call (or to cancel the call attempt).

 **Tip!** To change the phone number of your voice mailbox, press the menu key, and select Tools > Voice mailbox > Options > Change number. Enter the number (obtained from your service provider), and select OK.

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

To make a call from Contacts, press the menu key, and select Contacts. Scroll to the desired name; or enter the

first letters of the name to the search field. Matching contacts are listed. Press the call key.


To call your voice mailbox (network service), press and hold 1 in the standby mode. See 'Call diverting', p. 97.

To call a recently dialed number in the standby mode, press the call key to access a list of the 20 last numbers you called or attempted to call. Scroll to the number you want, and press the call key to call the number.

1-touch dialing

To assign a phone number to one of the 1-touch dialing (speed dial) keys (2–9), press the menu key, and select Tools > Speed dial. Key 1 is reserved for the voice mailbox.

To call in the standby mode, press the 1-touch dial key and the call key.

 **Tip!** To 1-touch dial a number by pressing and holding the key, press the menu key, and select Tools > Settings > Call > Speed dialling > On.

Conference calling

- 1 Make a call to the first participant.

- 2 To make a call to another participant, select **Options > New call**. The first call is automatically put on hold.
- 3 When the new call is answered, to join the first participant in the conference call, select **Options > Conference**.
To add a new person to the call, repeat step 2, and select **Options > Conference > Add** to conference. The phone supports conference calls between a maximum of six participants, including yourself. To have a private conversation with one of the participants, select **Options > Conference > Private**. Select a participant, and press **Private**. The conference call is put on hold on your phone. The other participants can still continue the conference call. After you have finished the private conversation, select **Options > Add** to conference to return to the conference call.
To drop a participant, select **Options > Conference > Drop participant**, scroll to the participant, and select **Drop**.
- 4 To end the active conference call, press the end key.

Answer or reject a call

To answer the call, press the call key.

To mute the ringing tone when a call comes in, select **Silence**.



Tip! If a compatible headset is connected to the phone, to answer and end a call, press the headset key.

If you do not want to answer a call, press the end key to reject it. The caller hears a line busy tone. If you have activated the **Call divert** settings > **If busy** function to divert calls, rejecting an incoming call also diverts the call. See 'Call diverting', p. 97.

When you reject an incoming call, you can also send a text message to the caller informing why you cannot answer the call. Select **Options > Send text message**. You can edit the text before sending it. See also **Reject call with SMS**, p. 90.

Call waiting

You can answer a call while you have another call in progress if you have activated **Call waiting** (network service) in **Tools > Settings > Call > Call waiting**.



Tip! To change the phone tones for different environments and events, see 'Set tones', p. 17.

To answer the waiting call, press the call key. The first call is put on hold.

To switch between the two calls, select **Swap**. Select **Options > Transfer** to connect an incoming call, or a call on hold, with an active call, and to disconnect yourself

from the calls. To end the active call, press the end key. To end both calls, select Options > End all calls.

Options

Many of the options that you can use during a call are network services. Select Options during a call for some of the following options: Mute or Unmute, Answer, Reject, Swap, Hold or Unhold, Activate handset, Activate loudsp., or Activate handsfree (if a compatible headset with Bluetooth connectivity is attached), End active call or End all calls, New call, Conference, and Transfer. Select from the following:

Replace—To end an active call and replace it by answering the waiting call.


Send DTMF—To send DTMF tone strings; for example, a password. Enter the DTMF string or search for it in Contacts. To enter a wait character (w) or a pause character (p), press * repeatedly. Select OK to send the tone.

 **Tip!** You can add DTMF tones to the Phone number or DTMF fields in a contact card.



Recent calls

To monitor the phone numbers of missed, received, and dialled calls, press the menu key, and select Connect. > Log > Recent calls. The phone registers missed and received calls only if the network supports these functions, the phone is switched on, and within the network's service area.

 **Tip!** When you see a note in the standby mode about missed calls, select Show to access the list of missed calls. To call back, scroll to a name or number, and press the call key.

To clear all recent call lists, select Options > Clear recent calls in the recent calls main view. To clear one of the call registers, open the register you want to erase, and select Options > Clear list. To clear an individual event, open a register, scroll to the event, and press the clear key.

Call duration

To monitor the approximate duration of your incoming and outgoing calls, press the menu key, and select Connect. > Log > Call duration.



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

To clear call duration timers, select **Options > Clear timers**. To do this, you need the lock code. See 'Security', and 'Phone and SIM', p. 94.

Packet data

To check the amount of data sent and received during packet data connections, press the menu key, and select **Connect. > Log > Packet data**. For example, you may be charged for your packet data connections by the amount of data sent and received.

Monitor all communication events

Icons in Log are as follows:

- Incoming
- Outgoing
- Missed communication events

To monitor all calls, text messages, or data connections registered by the phone, press the menu key, select **Connect. > Log**, and scroll right to open the general log. For each communication event, you can see the sender or recipient name, phone number, name of the service

Log	
Data	WAP
Voice	987654321
Voice	Leist Helmut
Voice	Spencer Mia
Data	123456789
Voice	Moncourt Anais
Options	
Exit	

provider, or access point. You can filter the general log to view just one type of event and create new contact cards based on the log information.

Tip! To view a list of sent messages, press the menu key, and select **Messaging > Sent**.

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

Note: When sending messages, your phone may display **Sent**. This is an indication that the message has been sent by your phone to the message center number programmed into your phone. 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.

To filter the log, select **Options > Filter** and a filter. To erase the contents of the log, recent calls register, and messaging delivery reports permanently, select **Options > Clear log**. Select **Yes** to confirm.

To set the Log duration, select **Options > Settings > Log duration**. The log events remain in the phone memory for a set number of days after which they are automatically erased to free memory. If you select **No log**, all the log

contents, recent calls register, and messaging delivery reports are permanently deleted.

To view how much data (measured in kilobytes) has been transferred and how long a certain packet data connection has lasted, scroll to an incoming or outgoing event indicated by Pack, and select Options > View details.

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Contacts (phonebook)

Press the menu key, and select **Contacts**. In **Contacts**, you can add a personal ringing tone, voice tag, or a thumbnail image to a contact card. You can also create contact groups, which allow you to send text messages or e-mail to many recipients at the same time. You can add received contact information (business cards) to contacts. See 'Data and settings', p. 50. Contact information can only be sent to or received from compatible devices.

Options in **Contacts** are **Open**, **Call**, **Create message**, **New contact**, **Open conversation**, **Edit**, **Delete**, **Duplicate**, **Add to group**, **Belongs to groups**, **Mark/Unmark**, **Copy**, **SIM contacts**, **Go to web address**, **Send**, **Contacts info**, **Settings**, **Help**, and **Exit**.

Save names and numbers

- 1 Select **Options** > **New contact**.
- 2 Fill in the fields that you want, and press **Done**.

Options when editing a contact card are **Add thumbnail**, **Remove thumbnail**, **Add detail**, **Delete detail**, **Edit label**, **Help**, and **Exit**.

To edit contact cards in **Contacts**, scroll to the contact card you want to edit, and select **Options** > **Edit**.

To delete a contact card in **Contacts**, select a card, and press the clear key. To delete several contact cards at the same time, press the scroll key and the edit key to mark the contacts, and press the clear key to delete.

 **Tip!** To add and edit contact cards, use **Nokia Contacts Editor** available in **Nokia PC Suite**. See the CD-ROM supplied with your phone.

To attach a small thumbnail image to a contact card, open the contact card, and select **Options** > **Edit** > **Options** > **Add thumbnail**. The thumbnail image is shown when the contact calls.

Default numbers and addresses

You can assign default numbers or addresses to a contact card. If a contact has several numbers or addresses, you can easily call or send a message to the contact using a specific number or address.

- 1 Press the menu key, select **Contacts**, and a contact.
- 2 Select **Options** > **Defaults**.
- 3 Select a default to which you want to add a number or an address and **Assign**.
- 4 Select a number or an address you want to set as a default.

The default number or address is underlined in the contact card.

Copy contacts



Tip! To send contact information, select the card you want to send. Select **Options > Send > Via text message**, **Via multimedia**, or **Via Bluetooth**. See 'Messaging', p. 43 and 'Send data', p. 83.

- To copy names and numbers from a SIM card to your phone, press the menu key, and select **Contacts > Options > SIM contacts > SIM directory**. Select the names you want to copy and **Options > Copy to Contacts**.

- To copy a telephone, fax, or pager number from contacts to your SIM card, select **Contacts**, and open a contact card. Scroll to the number, and select **Options > Copy > To SIM directory**.



Tip! You can synchronise your contacts to a compatible PC with Nokia PC Suite. See the CD-ROM supplied with your phone.

SIM directory and other services



Note: For availability, rates, and information on using SIM services, contact your SIM card vendor

(network operator, service provider or other vendor).

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

Ringling tones for contacts

When a contact or group member calls you, the phone plays the chosen ringing tone, if the caller's telephone number is sent with the call and your phone recognizes it.



Tip! Speed dialing is a quick way to call frequently used numbers. You can assign speed dialing keys to eight phone numbers. See "1-touch dialing", p.21.

- 1 Select and open a contact card, or select a contact group from the groups list.
- 2 Select **Options > Ringing tone** to view a list of ringing tones.
- 3 Select the ringing tone you wish to use for the individual contact or the selected group.

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

Voice dialing

You can make a phone call by saying a voice tag that has been added to a contact card. Any spoken words can be a voice tag.

Before using voice tags, note the following:

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



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

Add a voice tag



Example: You can use a person's name as a voice tag, such as "John's mobile."


You can have only one voice tag per contact card. You can add a voice tag to up to 50 phone numbers.

- 1 In Contacts, open the contact card to which you want to add a voice tag.

- 2 Scroll to the number to which you want to add the voice tag, and select **Options > Add voice tag**.



Tip! To view a list of voice tags you have defined, select **Contacts > Options > Contacts info > Voice tags**.


- 3 Select **Start** to record a voice tag. After the starting tone, say clearly the words you want to record as a voice tag. Wait until the phone plays the recorded tag and saves it.  is displayed next to the number in the contact card, indicating that a voice tag has been added to it.

Voice tag call

You must say the voice tag exactly as you said it when you recorded it. When you are making a call by saying a voice tag, the loudspeaker is in use. Hold the phone at a short distance away, and say the voice tag clearly.

Press and hold the voice key. A short tone is played, and **Speak now** is displayed. The phone plays the original voice tag, displays the name and number, and dials the number of the recognized voice tag.



Tip! To listen to, change, or delete a voice tag, open a contact card and scroll to the number with the voice tag (indicated by ). Select **Options > Voice tags > Playback, Change, or Delete**.

Create contact groups


- 1 In Contacts, scroll right to open the groups list.
- 2 Select Options > New group.
- 3 Write a name for the group or select the default name Group %N and OK.
- 4 Open the group, and select Options > Add members.
- 5 Scroll to a contact, and press the scroll key to mark it. To add multiple members at a time, mark all of the contacts you want to add.
- 6 Select OK to add the contacts to the group.

To rename a group, select Options > Rename, enter the new name, and select OK.

 Options in the groups list view are Open, New group, Delete, Rename, Ringing tone, Contacts info, Settings, Help, and Exit.

Remove members from a group

- 1 In the groups list, open the group you want to modify.
- 2 Scroll to the contact, and select Options > Remove from group.
- 3 Select Yes to remove the contact from the group.

 **Tip!** To check to which groups a contact belongs, scroll to the contact, and select Options > Belongs to groups.

Camera and Gallery




Camera

Respect the personal rights of others and obey the local laws, regulations, and customs when taking and using images or video clips.

With the Camera application you can take pictures and record videos while on the move. The images and video are automatically saved in the Gallery application. The camera produces JPEG images, and video clips are recorded in the 3GPP file format with the .3gp file extension. You can also send images or a video in a multimedia message, as an e-mail attachment, or using a Bluetooth connection.

Open the camera slide on the back of the phone to open the camera, or select Camera.

The Camera application starts when the camera slide is opened, and you can see the view to be captured. Scroll left or right to move between Image and Video views.

 **Tip!** You can insert an image into a contact card. See "Save names and numbers," p. 27.


The Nokia 6682 device supports an image capture resolution of up to 1280 x 960 pixels. The image resolution in these materials may appear different.

Take pictures

Scroll left or right to move between Image and Video views. Open the Image view.

 Options before taking a picture are Capture, New, Flash, Activate night mode/Deact. night mode, Sequence mode/Normal mode, Self-timer, Go to Gallery, Adjust, Settings, Help, and Exit.

Camera indicators show the following:

- The phone memory () and memory card () indicators (1) show where images are saved.
- The images indicator (2) estimates how many images, depending on the selected image quality, can fit in the remaining memory of your phone or the memory card.



- The zoom indicator (3) shows the zoom level. Scroll up to zoom in, and scroll down to zoom out.
- The flash indicator (4) shows if the flash is On (), Off (), or Automatic (no icon).
- The night mode indicator (5) shows that the night mode is active.
- The sequence mode indicator (6) shows that sequence mode is active. See "Take pictures in a sequence," page 33.
- The self-timer indicator (7) shows how much time is left before a picture is taken. See "You in the picture—self-timer," page 33.

Shortcuts are as follows:

- Press 1 to activate or deactivate night mode.
- Press 4 to activate or deactivate sequence mode.
- Press 3 to adjust brightness.
- Press 6 to adjust contrast.

To take a picture, press the middle of the Scroll key. Do not move the phone before the image is saved. The image is saved automatically in the Images folder of Gallery. See "Gallery," page 36.

Saving the captured image may take longer if you have changed the zoom, lighting, or color settings.

While taking a picture, follow these tips:

- Use both hands to keep the camera still.
- To take images or record video in a dark environment, use the night mode. If you are using the night mode, the exposure time is longer and the camera needs to be kept still longer.
- To make lighting and color adjustments before taking a picture, select Options > Adjust > Brightness, Contrast, White balance, or Color tone. See "Adjust color and lighting," page 33.
- The quality of a zoomed picture is lower than that of a nonzoomed picture, but the image remains the same size. You may notice the difference in image quality if viewed on a PC.
- Camera goes into battery saving mode if there are no key presses within a minute. To continue taking pictures, press the middle of the Scroll key.

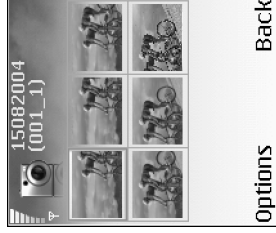
After the image has been taken, follow these tips:

- If you do not want to keep the image, press Clear.
- To return to the viewfinder to take a new picture, press the middle of the Scroll key.
- To send the image using via Bluetooth, via e-mail, or Via multimedia, press Call. For more information see "Messaging," p. 43 and "Bluetooth connection," p. 82.

- To set the picture as wallpaper in the standby mode, select **Options** > **Set as wallpaper**.

Take pictures in a sequence

Select **Options** > **Sequence mode** to set the camera to take six pictures in a sequence. After the pictures are taken, they are automatically saved in Gallery, and are shown in a grid.



You in the picture—self-timer

Use the self-timer to delay taking a picture so that you can include yourself in the picture. To set the self-timer delay, select **Options** > **Self-timer** > 10 seconds, 20 seconds, or 30 seconds. Select **Activate**. The self-timer indicator (🕒) blinks and the phone beeps when the timer is running. The camera takes the picture after the selected delay has elapsed.

The flash

The camera has an LED flash for low light conditions. The following flash modes are available: **On**, **Off**, and **Automatic**.

Select **Options** > **Flash** > **On** to use the flash.

If the flash is set to **Off** or **Automatic** during bright conditions, the flash still emits a low light when an image is captured. This allows the subject of the picture to see when the picture is taken. There is no flash effect on the resultant picture.

Adjust color and lighting

To enable the camera to reproduce colors and lighting more accurately, or to add effects to your pictures or videos, select **Options** > **Adjust**, and select from the following:

Brightness—Scroll left and right to select the appropriate brightness setting.

Contrast—Scroll left and right to select the appropriate contrast setting.

White balance—Select the current lighting condition from the list. This allows the camera to reproduce colors more accurately.

Color tone—Select a color effect from the list.

The screen display changes to match any settings made, showing you how the final pictures or videos will look.

Adjust camera settings

- 1 Select Options > Settings > Image.
- 2 Scroll to the setting you want to change:
 - Show captured image—Select Yes if you want to see the captured image after it has been taken or No if you want to continue taking pictures immediately.
 - Image quality—High, Normal, and Basic. The better the image quality, the more memory the image consumes. The quality of a zoomed picture is lower than that of a nonzoomed picture, but the image remains the same size. You may notice the difference in image quality if viewed on a PC, for example. If you are going to print the image, select High or Normal image quality.
 - Image resolution—Select the resolution you want to use for the images you are going to take.
 - Resolution is a measure of sharpness and clarity of an image. Resolution refers to the number of pixels in an image. The more pixels, the more detailed the picture is, and the more memory it consumes.
 - Default image name—Set a default name for the images you are going to take. You can replace the date with your own text (for example, 'Holiday_2004').
 - Memory in use—Select where to store your images.

Record videos

Scroll left or right to move between Image and Video views. Open the Video view.

- Options before recording a video are Record, New, Activate night mode/Deact. night mode, Mute/Unmute, Go to Gallery, Adjust, Settings, Help, and Exit.

Video recorder indicators show the following:


- The phone memory (📶) and memory card (💿) indicators (1) show where the video is saved.
- The current video length indicator (2) shows elapsed time and time remaining.
- The zoom indicator (3) shows the zoom level. Scroll up to zoom in on your subject before or during recording. Scroll down to zoom out.
- The microphone indicator (4) shows that the microphone is muted.
- The night mode indicator (5) shows that the night mode is active.


Shortcuts are as follows:



- Press 1 to activate or deactivate the night mode.
- Press 3 to adjust brightness.
- Press 6 to adjust contrast.

To make lighting and color adjustments before taking a picture, select **Options > Adjust > Brightness, Contrast, White balance, or Color tone**. See "Adjust color and lighting," page 33.

Press the middle of the **Scroll** key to start recording. The record icon  is shown. If you use the camera to record a video clip, the LED flash is constantly on in low power mode indicating that a video clip is being recorded.

To pause recording at any time, press the middle of the **Scroll** key. The pause icon  starts to blink on the display. Press the **Scroll** key again to resume recording.

Video recording automatically stops if recording is set to pause and there are no key presses within a minute.

Select **Stop** to stop recording. The video clip is automatically saved to the **Video clips** folder of **Gallery**. See "Gallery," page 36.

After a video clip has been recorded:

- To immediately play the video clip you just recorded, select **Options > Play**.
- If you do not want to keep the video, press **Clear**.
- To return to the viewfinder to record a new video, press the middle of the **Scroll** key.

- To send the video via Bluetooth, via e-mail, or Via multimedia, press **Call**. For more information, see the "Messaging," chapter, p. 43 and "Bluetooth connection," p. 82.

Adjust video recorder settings

Select **Options > Settings > Video** and the setting you want to change:

Length—If you select **Maximum**, the length of the video recording is restricted by the available space on your memory card, and up to one hour per clip. You cannot send a video clip recorded like this by MMS, due to the recording properties. Select **Short** to record video clips up to 300 kB (approximately 30 seconds in duration) so that they can be conveniently sent as a multimedia message to a compatible device. Some networks, however, may only support sending multimedia messages with a maximum size of 100 kB.

Video resolution—Select 128x196 or 176x144.

Default video name—Define a default name, or select the date.

Memory in use—Define the default memory store, phone memory, or memory card.



Gallery

To store and organize your images, sound clips, playlists, video clips, streaming links, and .ram files, press **Menu**, and select Gallery.

Select **Images** , **Video clips** , **Tracks** , **Sound clips** , **Links** , or **All files** , and press the middle of the **Scroll** key to open it.

You can browse, open, and create folders; and mark, copy, and move items to folders. Sound clips, video clips, .ram files, and streaming links are opened and played in the RealPlayer application. See "RealPlayer™", p. 40.



Tip! You can transfer images from your phone to a compatible PC with Nokia Phone Browser available in Nokia PC Suite. See the CD-ROM supplied with your phone.




Tip! You can transfer music files from your phone to your memory card with Nokia Audio Manager available in Nokia PC Suite. See the CD-ROM supplied with your phone.



Tip! You can also transfer files from your phone to your memory card using an MMC card reader.

Press the middle of the **Scroll** key to open a file or a folder. Images open in the image viewer. See "View images", p. 36.

To copy or move files to the memory card or to phone memory, select a file and **Options** > **Organise** > **Copy to memory card**/**Move to memory card** or **Copy to phone mem.**/**Move to phone mem.**. Files stored on the memory card are indicated with .

To download files into Gallery in one of the main folders using the browser, select  **Graphic downls.**, **Video downls.**, **Track downls.**, or **Sound downls.**. The browser opens, and you can select a bookmark from which site to download.

To search for a file, select **Options** > **Find**. Start to enter a search string (for example, the name or date of the file you are searching). Files that match your search are shown.

View images

Pictures taken with Camera are stored in Gallery. Images can also be sent to you in a multimedia message, as an e-mail attachment, or through a Bluetooth connection. To view a received image in the gallery, you must save it in the phone memory or on a memory card.

Open the **Images** folder  in Gallery to start the image viewer, select an image, and press the middle of the **Scroll** key to view it.

Options when viewing an image are Send, Set as wallpaper, Rotate, Zoom in/Zoom out, Full screen, Delete, Rename, View details, Add to 'Go to', Help, and Exit.

To zoom an image, select Options > Zoom in or Zoom out. You can see the zooming ratio at the top of the display. The zooming ratio is not stored permanently.

To see more of the image, select Options > Full screen. The panes around the image are removed. To move the focus when you are zooming an image or viewing an image in full screen mode, use the **Scroll** key.

To rotate the image, select Options > Rotate. Press and hold **O** to return to the normal view.

Imaging



Video editor

To create custom video clips, press **Menu**, and select **Imaging > Vid. editor**. To create custom video clips, combine and trim video clips, and add sound clips, transitions, and effects. Transitions are visual effects that you can add in the beginning and end of the video or between the video clips.

Edit video, sound, and transitions

- 1 Mark and select one or more video clips.
- 2 Select **Options > Edit**. In the edit video view, you can insert video clips to make a custom video clip, and edit the clips by trimming and adding effects. You can add sound clips and change their duration.

Tip! To take a snapshot of a video clip, select **Options > Take snapshot** in the play view, edit preview view, or in the cut view.

To modify the video, select one of the following options:


Preview—Previews the custom video clip.
Insert—

- **Video clip**—Inserts the selected video clip. A thumbnail of the video clip is shown in the main view. A thumbnail consists of the first non-black view of the video clip. The name and length of the selected video clip is also shown.
- **Sound clip**—Inserts the selected sound clip. The name and length of the selected sound clip is shown in the main view.
- **New sound clip**—Records a new sound clip to the selected location.
- Cut**—Trims the video clip or a sound clip in the cut video clip or in the cut sound clip view.
- Edit video clip**—
 - **Move**—Moves the video clip to the selected location.
 - **Add colour effect**—Inserts a color effect on the video clip.
 - **Use slow motion**—Slows the speed of the video clip.
 - **Mute sound/Unmute sound** — Mutes or unmutes the original video clip sound.
 - **Remove**—Removes the video clip from the video.
- Edit sound clip**—
 - **Move**—Moves the sound clip to the selected location.
 - **Set duration**—Edits the sound clip length.
 - **Remove**—Removes the sound clip from the video.

- **Duplicate**—Makes a copy of the selected video clip or sound clip.
- Edit transition**—There are three types of transitions: at the start of a video, at the end of a video, and transitions between video clips. A start transition can be selected when the first transition of the video is active.

- 3 Select **Save** to save the video. Define the **Memory** in use in the **Settings**. The default is the phone memory.

Tip! In the settings view you can define the Default video name, Default sc. shot name, and Memory in use.

Select **Send** > **Via multimedia**, **Via Bluetooth**, or **Via e-mail** if you want to send the video. Contact your service provider for details of the maximum multimedia message size that you can send. If the video is too large to be sent in a multimedia message,  appears.

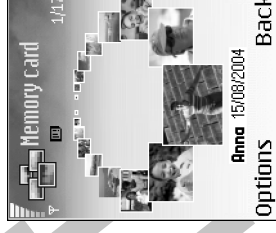
Tip! If you want to send a video clip that is over the maximum multimedia message size allowed by your service provider, you can send the clip using a Bluetooth connection. See 'Send data', p. 83. You can also transfer the videos using a Bluetooth connection into a Bluetooth-enabled personal computer, or by using a memory card reader (internal/external).



Image manager

To browse the images visually, press **Menu**, and select **Imaging** > **Image mgr.**

- 1 Scroll right to select **Phone mem.** or **Memory card memory**. **Image mgr.** also shows how many folders or images are in the selected folder.
- 2 Open a folder to browse the images visually. Scroll left and right to move between images and folders. Press **Scroll** to view an image.



Press **Edit** and **Scroll** simultaneously to mark images for an image show. A check mark is shown next to a selected image. Select **Options** > **Image show**. Scroll up and down to view the next or previous image in the show.



Image print

Use Image print to print the images using USB (PictBridge-compliant), a Bluetooth connection, or the MMC. You can select from a list of available printers displayed in the printer selection view.



Note: To print to a PictBridge-compliant printer, select Image print before you connect the USB cable.

Press Menu, and select Imaging > Image print. Select the images you want to print.



Options in the image selection view are Print, Edit list, Open (displayed when you select an album), Help, and Exit.

Printer selection

Once you have selected images you want to print, a list of available printing devices is displayed. If you have connected a PictBridge-compliant USB printer using the DKU-2 cable supplied with the phone, the printer is automatically displayed.

Select the device you want to use. The print preview screen is displayed.

Print preview

After you select a printing device, the images that you selected are displayed using predefined layouts. To change the layout, scroll left and right through the available layouts for the selected printer. If you selected more images than will fit on a single page, scroll up or down to display the additional pages.



Options in print preview are Print, Settings, Help, and Exit.

Print settings

The available settings options vary depending on the capabilities of the printing device you selected.

To select the paper size, select Paper size, select the size of paper from the list, and select OK. Select Cancel to return to the previous view.



RealPlayer™

Press Menu, and select Imaging > RealPlayer. With RealPlayer, you can play video clips, sound clips, and playlists, or stream media files over the air. A streaming link can be activated when you are browsing Web pages, or it can be stored in the phone memory or memory card.

RealPlayer supports files with extensions such as .aac, .awb, .m4a, .mid, .mp3, and .wav. However, RealPlayer does not necessarily support all file formats or all the variations of file formats. For example, RealPlayer will attempt to open all .mp4 files, but some .mp4 files may include content that is not compliant with 3GPP standards and, therefore, is not supported by this phone.



Options in RealPlayer when a clip is selected are Play, Play in full screen/Continue, Continue in full scr.; Stop, Mute/Unmute, Clip details, Send, Settings, Help, and Exit.

Play video or sound clips

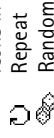
- 1 To play a media file stored in phone memory, or on the memory card, select Options > Open and select: Most recent clips—To play one of the last six files played in RealPlayer.
Saved clip—To play a file saved in Gallery. See 'Gallery', p. 36.

- 2 Scroll to a file, and press **Scroll** to play the file.



Tip! To view a video clip in full screen mode, press 2. Press it again to change back to normal screen mode.

Icons in RealPlayer:



Repeat and random
Loudspeaker muted

Shortcuts during play:

To fast forward, scroll up.

To rewind through the media file, scroll down.

To mute the sound, scroll left until the indicator is displayed. To turn on the sound, scroll right until the indicator is displayed.

Stream content over the air

Many service providers require you to use an Internet access point (IAP) for your default access point. Other service providers allow you to use a WAP access point. The access points may be configured when you first start your phone.

Contact your service provider for more information.



Note: In RealPlayer, you can only open an rtsp:// URL address. However, RealPlayer will recognize an http link to a .ram file.

To stream content over the air, select a streaming link saved in Gallery, on a Web page, or received in a text message or multimedia message. Before live content begins streaming, your phone connects to the site and start loading the content.

Receive RealPlayer settings

You may receive RealPlayer settings in a special text message from the network operator or service provider. See 'Data and settings', p. 50. For more information, contact your network operator or service provider.

Change the RealPlayer settings

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

Video—To have RealPlayer automatically repeat video clips after they finish playing.

Audio settings—To select if you want to repeat playing of track lists and play sound clips on a track list in random order.

Connection settings—To select whether to use a proxy server, change the default access point, and set the timeouts and port range used when connecting. Contact your service provider for the correct settings.

Proxy settings:

- **Use proxy**—To use a proxy server, select **Yes**.
- **Proxy serv. address**—Enter the IP address of the proxy server.
- **Proxy port number**—Enter the port number of the proxy server.

Proxy servers are intermediate servers between media servers and their users. Some service providers use them

to provide additional security or speed up access to browser pages that contain sound or video clips.

Network settings:

- **Default access point**—Scroll to the access point you want to use to connect to the Internet, and press **Scroll**.
- **Online time**—Set the time for RealPlayer to disconnect from the network when you have paused a media clip playing through a network link, select **User defined**, and press **Scroll**. Enter the time, and select **OK**.
- **Connection time-out**—Scroll left or right to set the maximum time to elapse between selecting a network link and connecting to the media server, and select **OK**.
- **Server time-out**—Scroll left or right to set the maximum time to wait for a response from the media server before disconnecting, and select **OK**.
- **Lowest UDP port**—Enter the lowest port number of the servers port range. The minimum value is 6970.
- **Highest UDP port**—Enter the highest port number of the servers port range. The maximum value is 32000. Select **Options > Advanced settings** to edit the bandwidth values for different networks.



Messaging

Press the menu key, and select **Messaging**. In **Messaging**, you can create, send, receive, view, edit, and organize text messages, multimedia messages, e-mail messages, and special text messages containing data. You can also receive messages and data through a Bluetooth connection, receive Web service messages, receive cell broadcast messages, and send service commands.


Options in the **Messaging** main view are **Open**, **Create message**, **Connect** (if you have defined mailbox settings but a connection to the mailbox is not active)/**Disconnect** (if a connection to the mailbox is active), **SIM messages**, **Cell broadcast**, **Service command**, **Settings**, **Help**, and **Exit**.

Note: These functions can be used only if they are supported by your network operator or service provider. Only devices that offer compatible multimedia message, or e-mail features can receive and display these messages. Some networks might provide the recipient device with a Web page link to view multimedia messages.


When you open **Messaging**, you can see the **New message** function and a list of folders:

 **Inbox**—Contains received messages except e-mail and cell broadcast messages. E-mail messages are stored in the **Mailbox**.


 **My folders**—For organizing your messages into folders. Organize your messages by adding new folders under **My folders**.

 **Mailbox**—In **Mailbox**, you can connect to your remote mailbox to retrieve your new e-mail messages or view your previously retrieved e-mail messages offline. See "E-mail," page 56.


 **Drafts**—Contains draft messages that have not been sent.

 **Sent**—Contains the last 15 messages that have been sent, excluding messages sent using a Bluetooth connection. To change the number of messages to be saved, see "Other settings," page 58.


 **Outbox**—A temporary storage place for messages waiting to be sent.

 **Reports**—Contains delivery reports that you request from the network of the text messages and multimedia messages you have sent (network service). Receiving a

delivery report of a multimedia message that has been sent to an e-mail address might not be possible.

 **Tip!** When you have opened any of the default folders, to view the folders, scroll left or right.

To enter and send service requests, such as activation commands for network services, to your service provider, press the menu key, and select **Messaging > Mailbox > Mailbox > Options > Service command**.

Cell broadcast is a network service that allows you to receive messages on various topics, such as weather or traffic conditions from your service provider. For available topics and relevant topic numbers, contact your service provider. In the main view of Messaging, select **Options > Cell broadcast**. In the main view, you can see the status of a topic, a topic number, name, and follow-up flag () if applicable.

 Options in Cell broadcast are **Open**, **Subscribe/Unsubscribe**, **Hotmark/Remove hotmark**, **Topic**, **Settings**, **Help**, and **Exit**.

A packet data connection may prevent cell broadcast reception.

Writing text

Traditional text input

ABC and abc indicate the selected case. **Abc** means that the first letter of the word is written in upper case, and all other letters are automatically written in lower case. **123** indicates number mode.

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

- Press a number key (1–9) repeatedly until the desired character appears. There are more characters available for a number key than are printed on the key.
 - To insert a number, press and hold the number key.
 - To switch between letter and number mode, press and hold **#**.
 - If the next letter is located on the same key as the present one, wait until the cursor appears (or scroll right to end the time-out period), and enter the letter.
 - To erase a character, press the clear key. Press and hold the clear key to clear more than one character.
 - The most common punctuation marks are available under **1**. Press **1** repeatedly to reach the desired punctuation mark.
- Press ***** to open a list of special characters. Scroll through the list, and select a character.

- To insert a space, press 0. To move the cursor to the next line, press 0 three times.
- To switch between the different character cases **Abc**, **abc**, and **ABC**, press #.

Predictive text input—dictionary

You can enter any letter with a single key press. Predictive text input is based on a built-in dictionary to which you can also add new words. When the dictionary becomes full, the latest added word replaces the oldest.

- 1 To activate predictive text

input, press the edit key, and select Dictionary on.

This activates predictive

text input for all editors in

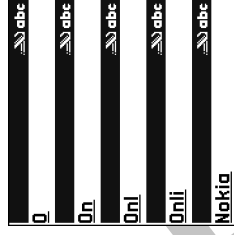
the phone.  is

shown on the top right of

the display when you

write text using predictive

text input.



- 2 To write the desired word, press the keys 2–9. Press each key only once for one letter. For example, to write 'Nokia' when the English dictionary is selected, press 6 for N, 6 for o, 5 for k, 4 for i, and 2 for a.

The word suggestion changes after each key press.

- 3 When you finish writing the word and it is correct, to confirm it, scroll right or press 0 to add a space.

If the word is not correct, press * repeatedly to view the matching words the dictionary has found one by one, or press the edit key, and select Dictionary > Matches.

If the ? character is shown after the word, the word you intended to write is not in the dictionary. To add a word to the dictionary, select Spell, enter the word (up to 32 letters) using traditional text input, and select OK. The word is added to the dictionary. When the dictionary becomes full, a new word replaces the oldest added word.

- 4 Start writing the next word.

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

Tips on using predictive text input

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

- To change between the different character cases **Abc**, **abc**, and **ABC**, press #. If you press # quickly twice, predictive text input is turned off.



Tip! Predictive text input tries to guess which commonly used punctuation mark (.,?!') is needed. The order and availability of the punctuation marks depend on the language of the dictionary.

To insert a number in letter mode, press and hold the desired number key.

- To switch between letter and number mode, press and hold **#**.

The most common punctuation marks are available under **1**. Press **1** and then ***** repeatedly to search for the desired punctuation mark.

Press and hold ***** to open a list of special characters.

Press ***** repeatedly to view the matching words the dictionary has found one by one.

Press the edit key, select Dictionary, and scroll right to select one of the following options:

Matches—To view a list of words that correspond to your key presses.

Insert word—To add a word (up to 32 letters) to the dictionary by using traditional text input. When the dictionary becomes full, a new word replaces the oldest added word.

Edit word—To edit the word using traditional text input. This is available if the word is active (underlined).



Tip! When you press the edit key, the following options appear (depending on the editing mode):
 Predictive text (predictive text input), Alpha mode (traditional text input), Number mode, Cut (if text has been selected), Copy (if text has been selected), Paste (when text has been cut or copied first).

Insert number, Insert symbol, and Writing language: (changes the input language for all editors in the phone).

Write compound words

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

Turn predictive text input off

Press the edit key, and select Predictive text > Off to turn predictive text input off for all editors in the phone.

Copy text to clipboard

1 To select letters and words, press and hold the edit key and scroll left or right. As the selection moves, text is highlighted.

2 To copy the text to the clipboard, while still holding the edit key, select Copy.

3 To insert the text into a document, press and hold the edit key, and select Paste, or press the edit key once, and select Paste.


To select lines of text, press and hold the edit key and scroll up or down.

To remove the selected text from the document, press the clear key.

Write and send messages

The appearance of a multimedia message may vary, depending on the receiving device.

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


 **Tip!** You can start to create a message from any application that has the option Send. Select a file (image or text) to be added to the message, and select **Options > Send**.

Before you can create a multimedia message or write an e-mail, you must have the correct connection settings in place. See "Receive MMS and e-mail settings," page 49 and "E-mail," page 56.

 Options in the message editor are Send, Add recipient, Insert, Attachments (e-mail), Preview (MMS), Objects (MMS), Remove (MMS), Delete, Check contacts, Message details, Sending options, Help, and Exit.

- 1 Select New message to view a list of message options:
 - Text message—to send a text message.
 - Multimedia message—to send a multimedia message (MMS).
 - E-mail—to send an e-mail. If you have not set up your e-mail account, you are prompted to do so.

Postcard—to send a postcard.

 **Tip!** Scroll to a contact, and press the scroll key to mark it. You can mark several recipients at a time.

Press the scroll key to select recipients or groups from contacts, or enter the recipient's phone number or e-mail address. Press * to add a semicolon (;) that separates the recipients. You can also copy and paste the number or address from the clipboard.


- 2 Scroll down to move to the message field.

- 3 Write the message.

- 4 To add a media object to a multimedia message, select **Options > Insert object > Image, Sound clip, or Video clip**. When sound is added,  is shown in the navigation bar.

- 5 Select **Insert new > Sound clip, Recorder** to record a new sound and

Select to save and insert a copy of the new sound into the message. Select **Options > Preview** to view the multimedia message.

- 6 To add an attachment to an e-mail, select **Options > Insert > Image, Sound clip, Video clip** or **Note**. E-mail attachments are indicated by  in the navigation bar.



- 7 To send the message, select **Options > Send**, or press the call key.



Note: Your device supports the sending of text messages beyond the normal 160-character limit. If your message exceeds 160 characters, it will be sent as a series of two or more messages. Your service provider may charge accordingly. In the navigation bar, you can see the message length indicator counting backward from 160. For example, 10 (2) means that you can still add 10 characters for the text to be sent as two messages. Some characters may take more space than others.



Note: E-mail messages are automatically placed in the Outbox before sending. If sending does not succeed, the e-mail is left in the Outbox with Failed status.



Tip! If you are not sure of the capabilities of the receiving device, or the network does not support sending large files, use a smaller image size or a sound clip that is no longer than 15 seconds. To change the setting, select **Messaging > Options > Settings > Multimedia message > Image size**.



Tip! In Messaging you can also create presentations and send them in a multimedia message. In the multimedia message editor view, select **Options > Create presentation** (shown only if

MMS creation mode is set to **Guided or Free**). See "Multimedia messages," page 50.

Postcard

To create and send a postcard, press the menu key, and select **Messaging > Postcard**. A postcard must contain the recipient's name and address, an image, and text.

Postcards are sent using the Outbox. New, edited, unfinished, or changed postcards are automatically saved in the Drafts folder.

Select **Options** and one of the following:

Send—to send a completed postcard to the recipient.

Add recipient—to add the recipient's name and address. You can also copy the name of a recipient from **Contacts**. Press the menu key, and select **Contacts**, scroll to and select the recipient's name.

Insert—select **New image** to take a photo with the camera to insert in the postcard or **Image** to insert a stored image.

Preview—to view a completed postcard. To view the front and back of the postcard, scroll left or right.

Delete—to delete the postcard.

Postcard details—to view the subject, date and time, type, and recipient of the postcard.

Different ways to create and send a postcard:

Press the menu key, and select **Messaging > New message > Postcard** or **Options > Create message > Postcard**.

After an image has been taken with the Camera application, select **Options > Send > As postcard**.

After selecting an image in the Gallery, select **Options > Send > As postcard**.


Receive MMS and e-mail settings

You may receive the settings in a text message from your network operator or service provider. See "Data and settings," page 50.

For availability of and subscription to data services, contact your network operator or service provider. Follow the instructions given by your service provider.

Enter the MMS settings manually:

- 1 Select **Tools > Settings > Connection > Access points**, and define the settings for a multimedia messaging access point. See 'Connection settings', p. 91.
- 2 Select **Messaging > Options > Settings > Multimedia message > Access point** in use and the access point you created to be used as the preferred connection. See also 'Multimedia messages', p. 55.

 **Tip!** To send files other than sounds and notes as attachments, open the appropriate application, and select **Send > Via e-mail**, if available.





Before you can send, receive, retrieve, reply to, and forward e-mail, you must do the following:


- Configure an Internet access point (IAP). See 'Connection settings', p. 91.
- Define your e-mail settings. See "E-mail," page 56. You need to have a separate e-mail account. Follow the instructions given by your remote mailbox and Internet service provider (ISP).

Inbox



Inbox icons:

-  Unread messages in Inbox
-  Unread text message
-  Unread multimedia message
-  Data received through a Bluetooth connection

When you receive a message,  and the text 1 new message is shown in the standby mode. Select **Show** to open the message. To open a message in Inbox, scroll to the message and select it.

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.

When you open a multimedia message, you may see an image and a message, and simultaneously listen to a sound through the loudspeaker (🔊 is shown if sound is included). Select the icon to listen to the sound.

Open the message, and select **Options > Objects** to see what kind of media objects have been included in the multimedia message. You can save a multimedia object file in your phone or send it, for example, through a Bluetooth connection to another compatible device.

You may also receive multimedia presentations. To view these presentations, select **Options > Play presentation**.

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

Data and settings

Your phone can receive many kinds of text messages that contain data (📎), also called over-the-air (OTA) messages:

Configuration message—You may receive a text message service number, voice mailbox number, Internet access point settings, access point login script settings, or e-mail settings from your network operator, service provider, or other information management organization in a configuration message. To save the settings, select **Options > Save all**.

Business card—To save the information to Contacts, select **Options > Save business card**. Certificates or sound files attached to the business card are not saved.

Ringing tone—To save the ringing tone, select **Options > Save**.


Operator logo—For the logo to be shown in the standby mode instead of the network operator's identification, select **Options > Save**.

 **Tip!** To change the default access point settings for multimedia messaging, select **Messaging > Options > Settings > Multimedia message > Access point in use**.

Calendar entry—To save the invitation, select **Options > Save to Calendar**.

Web message—To save the bookmark to the bookmarks list in Web, select **Options > Add to bookmarks**. If the message contains both access point settings and bookmarks, to save the data, select **Options > Save all**.

E-mail notification—Tells you how many new e-mails you have in your remote mailbox. An extended notification may list more detailed information.

 **Tip!** If you receive a vCard file that has a picture attached, the picture is saved to Contacts.

Web service messages

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



My folders

In My folders, you can organize your messages into folders, create new folders, and rename and delete folders.

 **Tip!** You can use texts in the templates folder to avoid rewriting messages that you send often.



Mailbox

If you select Mailbox and have not set up your e-mail account, you are prompted to do so. See "E-mail," page 56. When you create a new mailbox, the name you give to the

mailbox replaces Mailbox in the Messaging main view. You can have up to six mailboxes.

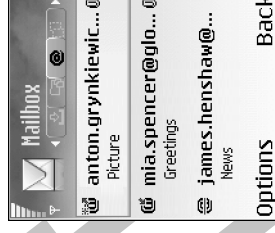
Open the mailbox

When you open the mailbox, you can choose whether you want to view the previously retrieved e-mail messages and e-mail headings offline or connect to the e-mail server.

When you scroll to your mailbox and select it, you'll receive the prompt, Connect to mailbox?

Select Yes to connect to your mailbox, and retrieve new e-mail headings or messages. When you view messages online, you are continuously connected to a remote mailbox using a packet data connection. See also 'Connection settings', p. 91.

Select No to view previously retrieved e-mail messages offline. When you view e-mail messages offline, your phone is not connected to the remote mailbox.



Retrieve e-mail messages

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



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.

- 1 When you have an open connection to a remote mailbox, select **Options > Retrieve e-mail**.
New—to retrieve all new e-mail messages to your phone.
Selected—to retrieve only the e-mail messages that have been marked.
All—to retrieve all messages from the mailbox.
To stop retrieving messages, select **Cancel**.
 - 2 After you have retrieved the e-mail messages, you can continue viewing them online, or select **Options > Disconnect** to close the connection and view the e-mail messages offline.
- E-mail status icons:
- New e-mail (offline or online mode): the content has not been retrieved to your phone (arrow points outward).
 - New e-mail: the content has been retrieved to your phone (arrow points inward).
 - The e-mail message has been read.

- The e-mail heading that has been read and the message content has been deleted from the phone.
- 3 To open an e-mail message, scroll to it and select it. If the e-mail message has not been retrieved (arrow in the icon is pointing outward) and you are offline, you are asked if you want to retrieve this message from the mailbox.

To view e-mail attachments, open a message that has the attachment indicator , and select **Options > Attachments**. If the attachment has a dimmed indicator, it has not been retrieved to the phone; select **Options > Retrieve**. In the **Attachments** view, you can retrieve, open, or save attachments. You can also send attachments using a Bluetooth connection.



Tip! If your mailbox uses the IMAP4 protocol, you can define how many messages to retrieve, and whether to retrieve the attachments. With the POP3 protocol, the options are **Headers only**, **Partially (kB)**, or **Msgs. & attachs.**

Delete e-mail messages

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

The phone mirrors the e-mail headings in the remote mailbox. Although you delete the message content, the e-

mail heading stays in your phone. If you want to remove the heading as well, you must first delete the e-mail message from your remote mailbox, and then make a connection from your phone to the remote mailbox again to update the status.



Tip! To copy an e-mail from the remote mailbox to a folder under My folders, select Options > Copy to folder, a folder from the list, and OK.

To delete an e-mail from the phone and the remote mailbox, select Options > Delete msg. from: > Phone and server.

If you are offline, the e-mail is deleted first from your phone. During the next connection to the remote mailbox, it is automatically deleted from the remote mailbox. If you are using the POP3 protocol, messages marked to be deleted are removed only after you have closed the connection to the remote mailbox.

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

Disconnect from the mailbox

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



Tip! You can also leave your mailbox connection open, and new e-mails (Headers only as default) will be automatically retrieved from the remote mailbox to your phone (only if the IMAP IDLE function is supported by your server). To leave the messaging application open in the background, press the menu key twice. Leaving the connection open may increase your call costs due to the data traffic.

View e-mail messages when offline

When you open Mailbox, you will receive the the Connect to mailbox? query. If you want to view and read e-mail messages offline, answer No. You can read the previously retrieved e-mail headings, the retrieved e-mail messages, or both. You can also write, reply to, or forward e-mail to be sent the next time you connect to the mailbox.



Outbox

Outbox is a temporary storage place for messages waiting to be sent.

Status of the messages in Outbox are as follows:

Sending—A connection is being established and the message is being sent.

Waiting/Queued—The message will be sent when previous messages of a similar type have been sent.
Resend at %U (time)—The phone will try to send the message again after a time-out period. Select Send to try sending the message immediately.

Deferred—You can set documents to be held in Outbox. Scroll to a message that is being sent, and select Options > Defer sending.

Failed—The maximum number of sending attempts has been reached. Sending has failed. If you were trying to send a text message, open the message, and check that the Sending options are correct.

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

View messages

Before you can view SIM messages, you need to copy them to a folder in your phone.

- 1 In the Messaging main view, select Options > SIM messages.
- 2 Select Options > Mark/Unmark > Mark or Mark all to mark messages.
- 3 Select Options > Copy. A list of folders opens.

- 4 Select a folder and OK to start copying. Open the folder to view the messages.

Messaging settings

Text messages

Select Messaging > Options > Settings > Text message.

Message centres—Lists all the text message centers that have been defined.

Msg. centre in use—Select which message center is used for delivering text messages.

Receive report (network service)—To request the network to send delivery reports on your messages. When set to No, only the Sent status is shown in Log. See 'Log', p. 23.

Message validity—If the recipient of a message cannot be reached within the validity period, the message is removed from the text message center. The network must support this feature. Maximum time is the maximum amount of time allowed by the network.

Message sent as—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 connection—You can send text messages through the normal GSM network or through packet data,

if supported by the network. See 'Connection settings', p. 91.

Reply via same ctr. (network service)—Choose Yes, if you want the reply message to be sent using the same text message center number.

Options when editing text message center settings are Edit, New msg. centre, Delete, Help, and Exit.

Add a new text message center

- 1 Select Message centres > Options > New msg. centre.
- 2 Write a name for the message center, and select OK.
- 3 Scroll down and then press the middle of the scroll key. Write the number of the text message center. You receive the number from your service provider.
- 4 Select OK.
- 5 To use the new settings, go back to the settings view. Scroll to Msg. centre in use, and select the new message center.

Multimedia messages

Select Messaging > Options > Settings > Multimedia message.

Image size—Define the size of the image in a multimedia message. The options are Original (shown only when the MMS creation mode is set to Guided or Free), Small, and

Large. Select Original to increase the size of the multimedia message.

MMS creation mode —If you select Guided, the phone informs you if you try to send a message that may not be supported by the recipient. Select Restricted; the phone prevents you from sending messages that are not supported.

Access point in use (Must be defined)—Select which access point is used as the preferred connection for the multimedia message center.

Recept. in home net.—Select whether you want the reception of the MMS messages in the home network to be Automatic, Defer retrieval, or Off. If you select Defer retrieval, the multimedia messaging center saves the message. To retrieve the message later, set to Automatic.

Reception if roaming—Select how you want the MMS messages to be retrieved outside the home network. When you are outside your home network, sending and receiving multimedia messages may be billed differently. If

Reception if roaming > Automatic is selected, your phone automatically makes an active packet data connection to retrieve the message. Select Reception if roaming > Off if you do not want to receive multimedia messages when you are outside your home network.

Allow anon. messages—Select No if you want to reject messages coming from an anonymous sender.

Receive adverts—Define whether you want to receive multimedia message advertisements or not.

Receive report (network service)—Select Yes if you want the status of the sent message to be shown in the Log.



Note: Receiving a delivery report of a multimedia message that has been sent to an e-mail address might not be possible.

Deny report sending—Select Yes if you do not want your phone to send delivery reports of received multimedia messages.

Message validity—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.



Tip! You may also obtain the multimedia and e-mail settings from your service provider through an OTA message. Contact your service provider for more information. See "Data and settings," page 50.

E-mail

Select Messaging > Options > Settings > E-mail, or in the mailbox main view, select Options > E-mail settings, and from the following:

Mailbox in use—Select which mailbox you want to use for sending e-mail.

Mailboxes—Opens a list of mailboxes that have been defined. If no mailboxes have been defined, you are prompted to define one. Select a mailbox to change the settings:

Mailbox settings:

Mailbox name—Enter a descriptive name for the mailbox.

Access point in use (Must be defined)—Choose an Internet access point (IAP) for the mailbox. See

'Connection settings', p. 91.

My e-mail address (Must be defined)—Enter the e-mail address given to you by your service provider. Replies to your messages are sent to this address.

Outgoing mail server (Must be defined)—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.

Send message—Define how e-mail is sent from your phone. Select Immediately for the device to connect to the mailbox when you select Send message. Select When conn. avail.—E-mail is sent when the connection to the remote mailbox is available.

User name—Enter your user name, given to you by your service provider.

Password:—Enter your password. If you leave this field blank, you are prompted for the password when you try to connect to your remote mailbox.

Incoming mail server (Must be defined)—Enter the IP address or host name of the mail server that receives your e-mail.

Mailbox type:—Defines the e-mail 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 are using the POP3 protocol, e-mail messages are not updated automatically in online mode. To see the latest e-mail messages, you must disconnect and make a new connection to your mailbox.

Security (ports)—Used with the POP3, IMAP4, and SMTP protocols to secure the connection to the remote mailbox.

APOP secure login (not shown if IMAP4 is selected for Mailbox type)—Used with the POP3 protocol to encrypt the sending of passwords to the remote e-mail server while connecting to the mailbox.

User settings:

E-mails to retrieve (not shown if the e-mail protocol is set to POP3)—Define how many new e-mails are retrieved to mailbox.

Retrieve—Define which parts of the e-mails are retrieved: Headers only, Partially (kB), or Msgs. & attachs. (not shown if the e-mail protocol is set to IMAP4).

Retrieve attachments (not shown if the e-mail protocol is set to POP3)—Choose whether you want to retrieve e-mail with or without attachments.

Subscribed folders (not shown if the e-mail protocol is set to POP3)—You can subscribe other folders in remote mailbox as well and retrieve content from those folders.

Send copy to self—Select Yes to save a copy of the e-mail to your remote mailbox and to the address defined in My e-mail address.

Include signature—Select Yes if you want to attach a signature to your e-mail messages.

My name—Enter your own name here. Your name replaces your e-mail address in the recipient's phone when the recipient's phone supports this function.

Automatic retrieval:

Header retrieval—When this function is on messages are retrieved automatically. You can define when, and how often, the messages are retrieved.

Activating Header retrieval may increase your call costs due to the data traffic.

Web service messages

Select **Messaging > Options > Settings > Service message**. Choose whether you want to receive service messages. If you want to set the phone to automatically activate the browser and start a network connection to retrieve content when the phone receives a service message, select **Download messages > Automatically**.

Cell broadcast

Check the available topics and related topic numbers with your service provider, and select **Messaging > Options > Settings > Cell broadcast** to change the settings.

Language—All allows you to receive cell broadcast messages in all supported languages. Selected allows you to choose languages in which you would like to receive cell broadcast messages. If you cannot find the desired language, select **Other**.

Topic detection—If you have set **Topic detection > On**, the phone automatically searches for new topic numbers, and saves the new numbers without a name to the topic list. Select **Off** if you do not want to save new topic numbers automatically.

Other settings

Select **Messaging > Options > Settings > Other**.

Save sent messages—Choose if you want to save a copy of every text message, multimedia message, or e-mail that you have sent. Saved messages will be stored in the **Sent** folder.

 **Tip!** If **Memory card** is selected, activate the offline profile before opening the memory card slot door or removing the memory card. When the memory card is not available, messages are saved in the phone memory.

No. of saved msgs.—Define how many sent messages may be stored in the **Sent** folder at a time. The default limit is 20 messages. When the limit is reached, the oldest message is deleted.

Memory in use—Choose which memory to which you want to save your messages: **Phone memory** or **Memory card**.

E-mail notification—Choose whether you want to see the new e-mail indication, a tone, or a note when new mail is received in the mailbox.

Dr. #

#29D

Calendar

Press any key (1–9) in any calendar view. A meeting entry opens, and the characters you enter are added to the Subject field.

Create calendar entries



- 1 Press the menu key, select **Calendar > Options > New** entry, and select from the following options:
 - Meeting**—To remind you of an appointment that has a specific date and time.
 - Memo**—To write a general entry for a day.
 - Anniversary**—To remind you of birthdays or special dates. Anniversary entries are repeated every year.



- 2 Fill in the fields. Press the scroll key to move between fields.
Alarm (meetings only)—Select On, and scroll down to fill in the Alarm time and Alarm date fields. ☀ in the day view indicates an alarm. To stop a calendar alarm,

select Silence to turn off the calendar alarm tone. The reminder text stays on the screen. Select **Stop** to end the calendar alarm. Select **Snooze** to set the alarm to snooze.

Repeat—Scroll right to change the entry to be repeating (☀ is shown in the day view).
Repeat until—You can set an end date for the repeated entry.

Synchronization:

Private—after synchronization, the calendar entry can be seen only by you and it will not be shown to others with online access to view the calendar.

Public—The calendar entry is shown to others who have access to view your calendar online.


None—The calendar entry will not be copied to your PC when you synchronize.

- 3 To save the entry, select **Done**.



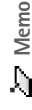
Tip! To send a calendar note to a compatible phone, select **Options > Send > Via text message**, **Via multimedia**, or **Via Bluetooth**.

Calendar views

 **Tip!** Select Options > Settings to change the view that is shown when you open the calendar or the starting day of the week.

In the month view, dates that have calendar entries are marked with a small triangle at the right bottom corner. In the week view, memos and anniversaries are placed before 8 o'clock.

Icons in the day and week views:



Memo



Anniversary

There is no icon for Meeting

To go to a certain date, select Options > Go to date, write the date, and select OK.

Press # to jump to today.



Tip! You can move calendar and to-do data from many different Nokia phones to your phone, or synchronize your calendar and to-do data to a compatible PC using Nokia PC Suite. See the CD-ROM supplied with the phone.

Set a calendar alarm

You can set an alarm to remind you of a meeting. This option is not available for notes and anniversaries.

- 1 Open a note in which you want to set an alarm, and select Alarm > On.
- 2 Set the Alarm time and Alarm date.
- 3 Scroll down to Repeat, and scroll right to select how often you want the alarm to be repeated.
- 4 Select Done.

To delete a calendar alarm, open the note in which you want to delete an alarm, and select Alarm > Off.

Remove calendar entries

Removing past entries in Calendar saves space in the memory of the phone.

To remove more than one event at a time, go to the Month view and select Options > Delete entry and one of the following options:

Before date—Deletes all calendar notes that take place before a certain date you define.

All entries—Deletes all calendar notes.

Calendar settings

To modify the Calendar alarm tone, Default view, Week starts on, and Week view title, select Options > Settings.



Web

Various service providers maintain pages specifically designed for mobile devices. To access these pages, press **Menu** and select **Web**. These pages use the wireless markup language (WML), extensible hypertext markup language (XHTML), or hypertext markup language (HTML). Check the availability of services, pricing, and tariffs with your network operator or service provider. Service providers will also give you instructions on how to use their services.

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

Access the Web

- Save the settings that are needed to access the Web page that you want to use. See the sections 'Receive browser settings', p. 63 or 'Enter the settings manually', p. 63.
- Make a connection to the Web. See 'Make a connection', p. 64.
- Browse the pages. See 'Browse', p. 65.
- End the connection to the Web. See 'End a connection', p. 67.

Receive browser settings



Tip! Settings may be available on the Web site of a network operator or service provider.

You may receive Web service settings in a special text message from the network operator or service provider that offers the Web page. See 'Data and settings', p. 50. For more information, contact your network operator or service provider.

Enter the settings manually

Follow the instructions given to you by your service provider.

- 1 Select **Tools > Settings > Connection > Access points**, and define the settings for an access point. See 'Connection settings', p. 91.
- 2 Select **Web > Options > Bookmark manager > Add bookmark**. Write a name for the bookmark and the address of the page defined for the current access point.

Bookmarks view

A bookmark consists of an Internet address (mandatory), bookmark title, access point, and if the Web page requires, a user name and password.




Options in the bookmarks view are Open, Download, Back to page, Bookmark manager, Mark/Unmark, Navigation options, Advanced options, Send, Find bookmark, Details, Settings, Help, and Exit.



Note: 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.

Icons in the bookmark view:

 The start page defined for the default access point. If you use another default access point to browse, the start page is changed accordingly.

 The automatic bookmarks folder contains bookmarks (★) that are collected automatically when you browse pages. The bookmarks in this folder are automatically organised according to domain.

 Any bookmark showing the title or Internet address of the bookmark.

Add bookmarks manually

- 1 In the bookmarks view, select **Options > Bookmark manager > Add bookmark**.
- 2 Start to fill in the fields. Only the URL address must be defined. The default access point is assigned to the bookmark if no other one is selected. Press * to enter special characters such as /, ., ; and @. Press the clear key to clear characters.
- 3 Select **Options > Save** to save the bookmark.

Send bookmarks

Scroll to a bookmark, and select **Options > Advanced options > Send > Via text message**. Press the call key to send. It is possible to send more than one bookmark at the same time.



Tip! To send a bookmark, scroll to it, and select **Options > Send > Via text message**.

Make a connection

Once you have stored all the required connection settings, you can access the pages.

- 1 Select a bookmark or enter the address in the field (🌐). When you enter the address, matching bookmarks are shown above the field. Scroll up to select a matching bookmark.

Options when browsing (depending on the page you are viewing) are Open, Accept, Remove file, Open in viewer, Open Wallet, Service options, Bookmarks, Save as bookmark, View images, Navigation options, Advanced options, Show images, Send bookmark, Find, Details, Settings, Help, and Exit.

- 2 Press the scroll key to download the page.

Connection security

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

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

Select Options > Details > Security to view details about the connection, encryption status, and information about server and user authentication.

Security features may be required for some services, such as banking services. For such connections you need security certificates. For more information, contact your service provider. See also 'Certificate management', p. 95.

Browse


On a browser page, new links appear underlined in blue and previously visited links in purple. Images that act as links have a blue border around them.

To open a link, to check boxes, and make selections, press the scroll key.

To go to the previous page while browsing, select Back. If Back is not available, select Options > Navigation options > History to view a chronological list of the pages you have visited during a browse session. The history list is cleared each time a session is closed.

To retrieve the latest content from the server, select Options > Navigation options > Reload.

To save a bookmark, select Options > Save as bookmark.

 **Tip!** To access the bookmarks view while browsing, press and hold down the scroll key. To return to the browser view again, select Options > Back to page.

To save a page while browsing, select Options > Advanced options > Save page. You can save pages either to the phone memory or on a memory card, and browse them when offline. To access the pages later, scroll right in the bookmarks view to open the Saved pages view.

To enter a new URL address, select **Options > Navigation options > Go** to web address.

To open a sublist of commands or actions for the currently open page, select **Options > Service options**.

You can download items such as ringing tones, images, operator logos, themes, and video clips. Downloaded items are handled by the respective applications in your phone, for example, a downloaded image is saved in Gallery.

Press **#** to jump to the end of a page and ***** to jump to the beginning of a page.

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



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

To download and view new Web service messages while browsing, select **Options > Advanced options > Read service msgs.** (shown only if there are new messages). See also 'Web service messages', p. 51.



Tip! The browser collects bookmarks automatically while you browse Web pages. The bookmarks are stored to the automatic bookmarks folder (🔖) and

automatically organized according to domain. See 'Web settings', p. 67.

View saved pages

If you regularly browse pages that contain information which does not change very often, you can save and browse them when offline. In the saved pages view you can also create folders to store your saved browser pages.



Options in the saved pages view are **Open**, **Back to page**, **Reload**, **Saved pages**, **Mark/Unmark**, **Navigation options**, **Advanced options**, **Details**, **Settings**, **Help**, and **Exit**.

To open the saved pages view, scroll right in the bookmarks view. In the saved pages view, press the scroll key to open a saved page (🔖).

To save a page while browsing, select **Options > Advanced options > Save page**.

To start a connection to the browser service and to download the latest version of the page, select **Options > Reload**. The phone stays online after you reload the page.

Download and purchase items

You can download items such as ringing tones, images, operator logos, themes, and video clips. These items can be

provided free, or you can purchase them. Downloaded items are handled by the respective applications in your phone, for example, a downloaded photo can be saved in Gallery.



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

- 1 To download the item, scroll to the link, and press the middle of the **Scroll** key.
If the item is provided free, select **Accept**. Once downloaded, the content is automatically opened in a suitable application.
- 2 To cancel the download, select **Cancel**.
- 3 Select the appropriate option to purchase the item, for example, **'Buy'**.
- 4 Carefully read all the information provided.
If the online content is compatible, you can use your wallet information to make the purchase.
- 5 Select **Open Wallet**. You are prompted for your wallet code. See **'Create a wallet code'**, p. 73.
- 6 Select the appropriate card category from your wallet.

Select **Fill in**. This uploads the selected wallet information.

If the wallet does not contain all information necessary for the purchase, you are requested to enter the remaining details manually.



Note: Copyright protections may prevent some images, ringtones and other content from being copied, modified, transferred, or forwarded.

End a connection

Select **Options > Advanced options > Disconnect**, or press and hold **End** to quit browsing and to return to the standby mode.

Empty the cache

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



Note: A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information that requires passwords, empty the cache after each use. The information or services you have accessed is stored in the cache memory of the phone. To empty the cache, select **Options > Navigation options > Clear cache**.

Web settings

Select **Options > Settings** and select one of the following :

Default access point—To change the default access point, press the middle of the scroll key to open a list of available access points. See 'Connection settings', p. 91.

Show images—To select if you want to load images while browsing or not. If you select No, to load images later during browsing, select Options > Show images.

Font size—To choose the text size.

Default encoding—If text characters are not shown correctly, you may choose another encoding according to language.

Automatic bookmarks—To disable automatic bookmark collecting, select Off. If you want to continue collecting automatic bookmarks but hide the folder from the bookmarks view, select Hide folder.

Screen size—To select what is shown when you browse. Select Select. keys only or Full screen.

Search page—To define a Web page that is downloaded when you select Navigation options > Open search page in the bookmarks view, or when browsing.

Volume—If you want the browser to play sounds embedded on Web pages, select a volume level.

Rendering—If you want the page layout shown as accurately as possible when in Small screen mode, select By quality. If you do not want external cascading style sheets to be downloaded, select By speed.

Cookies—To enable or disable the receiving and sending of cookies.

Cookies are a means of content providers to identify users and their preferences for frequently used content.

Java/ECMA script—To enable or disable the use of scripts.

Security warnings—To hide or show security notifications.

Conf. DTMF sending—Choose whether you want to confirm before the phone sends DTMF tones during a call. See also 'DTMF tones' p. 23.

Wallet > On—To open the wallet automatically when a compatible browser page is opened. See 'Wallet', p. 72.

Office

Info print—powered by HP



To print directly and wirelessly from your phone, press the menu key, and select **Office > Info print**. You can print a variety of contents from your phone to a Basic Print Profile (BPP) equipped, Bluetooth-enabled printer, including MMS messages, SMS messages, Email text, contacts, calendar and notes.

Options in **Info print** are **Select**, **Print**, **About** application, **Help**, and **Exit**.

Calculator



To add, subtract, multiply, divide, calculate square roots and percentages, press the menu key, and select **Office > Calculator**.

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

To save a number in the memory (indicated by **M**), select **Options > Memory > Save**. To retrieve a number in

memory, select **Options > Memory > Recall**. To clear a number in memory, select **Options > Memory > Clear**.

Calculate percentages

- 1 Enter a number for which you want to calculate a percentage.
- 2 Select **\times** , **\div** , **$-$** , **$+$** , or **$\%$** .
- 3 Enter the percentage.
- 4 Select **$\%$** .

Converter



To convert measures such as Length from one unit (Yards) to another (Metres), press the menu key, and select **Office > Converter**.

Options in **Converter** are **Select unit/Change currency**, **Conversion type**, **Currency rates**, **Help**, and **Exit**.

Note that **Converter** has limited accuracy, and rounding errors may occur.


- 1 Scroll to select the **Type** field, to open a list of measures. Scroll to the measure you want to use, and select **OK**.
- 2 Scroll to select the first **Unit** field. Select the unit from which you want to convert and **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 automatically shows the converted value. Press **#** to add a decimal and ***** for the **+**, **-** (for temperature), and **E** (exponent) symbols.

Set base currency and exchange rates

 **Tip!** To change the conversion order, enter the value in the second **Amount** field. The result is shown in the first **Amount** field.


Before you can make currency conversions, you need to 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 Select **Converter > Options > Currency rates**. A list of currencies opens, and you can see the current base currency at the top.
- 2 To change the base currency, scroll to the currency, and select **Options > Set as base curr.**

 **Tip!** To rename a currency, go to the currency rates view, scroll to the currency, and select **Options > Rename currency**.

- 3 Add exchange rates. Scroll to the currency, and enter a new rate. The number of units of the currency equal one unit of the base currency you have selected.

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

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

To-do



Create a task list

Press the menu key, and select **Office > To-do** to write notes and maintain a task list.

To add a note, press any key to start to write the task in the **Subject** field.

To set the due date for the task, scroll to the **Due date** field, and enter a date.

To set the priority for the **To-do** note, scroll to the **Priority** field, and scroll right to select the priority. High and low

priority notes are indicated with the following icons: **!** (High) and **—** (Low). There is no icon for Normal.

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

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



Notes

Press the menu key, and select Office > Notes to write notes. You can send notes to other compatible devices and save plain text files (TXT format) that you receive to Notes.



Recorder

Press the menu key, and select Office > Recorder to record telephone conversations and voice memos. If you are recording a telephone conversation, both parties hear a tone every 5 seconds during recording.

My own



Go to—add shortcuts

Default shortcuts:

- Opens Calendar
- Opens Inbox
- Opens Notes

To store shortcuts (links to your favourite images, notes, bookmarks, and so on), press the menu key, and select **My own > Go to**. Shortcuts are added only from the individual applications, for example **Gallery**. Not all applications have this function.

- 1 Select an item from an application to which you want to add a shortcut.
- 2 Select **Add to 'Go to'**. A shortcut in **Go to** is automatically updated if you move the item to which it is pointing (for example, from one folder to another). To change the identifier in the lower left corner of the shortcut icon, select **Options > Shortcut icon**.

Delete a shortcut

Select the shortcut, and press the clear key. The default shortcuts **Notes**, **Calendar**, and **Inbox** cannot be deleted.

When you remove an application or a document which has a shortcut in **Go to**, the shortcut icon of the removed item is dimmed in the **Go to** view. The shortcut can be deleted next time you try to open the shortcut.



Wallet

Press **Menu**, and select **My own > Wallet**. **Wallet** provides you with a storage area for your personal information, such as credit and debit card numbers, addresses, and other useful data (for example, user names and passwords).

The information stored in **Wallet** can be retrieved while browsing to automatically fill in online forms on browser pages (for example, when the service asks for credit card details). Data in **Wallet** is encrypted and protected with a wallet code that you define.

Wallet automatically closes after 5 minutes. Enter the wallet code to regain access to the contents. You can change this automatic time-out period if required. See "Wallet settings," page 74.

Options in the **Wallet** main view are **Open**, **Settings**, **Help**, and **Exit**.

Create a wallet code

Each time you open Wallet, you are prompted for a wallet code. Enter the code that you have created, and select OK.

When you open Wallet for the first time, you must create your own wallet code:

- 1 Enter a code of your choice (4–10 alphanumeric characters), and select OK.
- 2 You are prompted to verify the code. Enter the same code, and select OK. Do not give your wallet code to anyone else.

If you enter the wallet code incorrectly on three consecutive occasions, Wallet is blocked for 5 minutes. The block time increases if further incorrect wallet codes are entered.

If you forget your wallet code, you must reset the code, and you will lose all information stored in Wallet. See "Reset the wallet and wallet code," page 75.

Store personal card details

- 1 Select the Cards category from the main Wallet menu, and press the scroll key.
- 2 Select a type of card from the list, and press the scroll key.

Payment cards—Credit and debit cards.

Loyalty cards—Membership and store cards.

Online acc. cards—Personal user names and passwords to online services.

Address cards—Basic contact details for home or the office.

User info cards—Customized personal preferences for online services.

- 3 Select Options > New card. An empty form opens.
- 4 Fill in the fields, and select Done.

You can also receive card information directly to the phone from a card issuer or service provider (if they offer this service). You will be notified which category the card belongs to. Save or discard the card. You can view and rename a saved card, but you cannot edit it.

You can open, edit, or delete the fields in the card. Any changes will be saved upon exiting.

Create personal notes

Personal notes are a means of storing sensitive information such as a bank account number. You can access the data in a personal note from the browser. You can also send the note as a message.

- 1 Select the Personal notes category from the main Wallet menu, and press the scroll key.
- 2 Select Options > New card. An empty note opens.
- 3 Press 1–0 to start writing. Press the clear key to clear characters.

- 4 Select Done to save.

Create a wallet profile

After you have stored your personal details, you can combine them into a wallet profile. You can use a wallet profile to retrieve wallet data from different cards and categories to the browser, for example, when you are filling in a form.

- 1 Select the Wallet profiles category from the main wallet menu, and press the scroll key.

- 2 Select Options > New profile. A new wallet profile form opens.

- 3 Fill in the fields or select an option from the listed items:

Profile name—Choose and enter a name for the profile.

Payment card—Select a card from the list.

Loyalty card—Select a card from the list.

Online access card—Select a card from the list.

Shipping address—Select an address from the list.

Billing address—By default, this is the same as the shipping address. If you require a different address, select one from the address card category.

User info card—Select a card from the list.

Receive e-receipt—Select a destination from the list.

Deliver e-receipt—Select To phone, To e-mail, or To

pho. & e-mail.

RFID sending—Set to On or Off. Defines whether or not your unique phone identification is sent with the wallet profile.

- 4 Select Done.

Example: By uploading your payment card details you do not need to enter the card number and expiration date each time you need them (depending on the content being browsed). Also, you can retrieve your user name and password stored as an access card when connecting to a mobile service that requires authentication.

View ticket details

You can receive notifications of tickets purchased online through the browser. Received notifications are stored in the wallet. To view the notifications:

- 1 Select the Tickets category from the main Wallet menu, and press the scroll key.

- 2 Select Options > View. None of the fields within the notification can be modified.

Wallet settings

From the main Wallet menu, select Options > Settings and the following:

Wallet code—Change your wallet code. You are prompted to enter the current code, create a new code, and verify the new code.

RFID—Set the phone ID code, type, and sending options.
Automatic close—Change the automatic time-out period (1–60 minutes). After the time-out period has elapsed, the wallet code must be re-entered to gain access to the contents.

Reset the wallet and wallet code

This operation erases all contents of Wallet.

To reset both the contents of Wallet and the wallet code:

- 1 Enter *#7370925538# in the standby mode.
- 2 Enter the phone lock code, and select OK. See 'Security', p. 94.

When opening Wallet again, you must enter a new wallet code. See "Create a wallet code," page 73.



IM—instant messaging (chat)

Press **Menu**, and select **Connect**. > **IM**.

Instant messaging is a network service which allows you to converse with other people using instant messages and join discussion forums (IM groups) with specific topics. Various service providers maintain IM servers that you can log in to once you have registered to an IM service.

Options in the IM main view are **Open**, **Login/Logout**, **Settings**, **Help**, and **Exit**.



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

Receive IM settings



Tip: To log in automatically when you start IM, without having to enter your user ID and password each time, select **Options** > **Settings** > **Server settings** > **IM login type** > **Automatic**.

You must save the settings to access the service that you want to use. You may receive the settings in a special text message from the network operator or service provider that offers the IM service. See 'Data and settings', p. 50.

You can also enter the settings manually. See "Chat server settings," page 81.

Connect to a server

- 1 Open IM to have your phone connect to the IM server in use. To change the IM server in use and save new IM servers, see "Chat server settings," page 81.
- 2 Enter your user ID and password, and press the scroll key to log in. You obtain the user ID and password for the IM server from your service provider.
You can select **Cancel** to stay offline; to log in to the IM server later, select **Options** > **Login**. You cannot send or receive messages while you are offline.
- 3 To log out, select **Options** > **Logout**.

Modify your settings

Select **Options** > **Settings** > **IM settings**:

Use screen name (shown only if IM groups supported by the server)—To enter a nickname (up to 10 characters), select **Yes**.

IM presence—To allow others to see if you are online, select **Active** for all.

Allow messages from—To allow messages from all, select **All**.

Allow invitations from—To allow invitations only from your IM contacts, select **IM contacts only**. IM invitations are sent by IM contacts who want you to join their groups.

Msg. scrolling speed—To select the speed at which new messages are displayed.

Sort IM contacts—To sort your IM contacts **Alphabetically** or **By online status**.

Availability reloading—To choose how to update information about whether your IM contacts are online or offline, select **Automatic** or **Manual**.

Search for groups and users

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

To search for users, in the IM contacts view, select **Options > Search > Users**. You can search by User's name, User ID, Phone number, and E-mail address.

Join and leave a group

To join an IM group that you have saved, scroll to the group, and press the scroll key.

To join an IM group not on the list, but for which you know the group ID, select **Options > Join new group**. Enter the group ID, and press the scroll key.

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

Chat

Once you have joined an IM group, you can view the messages that are exchanged there, and send your own messages.

Options while chatting are **Send**, **Send private msg.**, **Reply**, **Forward**, **Insert smiley**, **Send invitation**, **Leave IM group**, **Add to banned list**, **Group**, **Record convers./Stop recording**, **Help**, and **Exit**.

To send a message, write the message in the message editor field, and press the scroll key.

To send a private message to a participant, select **Options > Send private msg.**, and select the recipient. Write the message, and then press the scroll key.

To reply to a private message sent to you, select the message, and select **Options > Reply**.

To invite IM contacts who are online to join the IM group, select **Options > Send invitation**, select the contacts you want to invite, write the invitation message, and press the scroll key.

To prevent receiving messages from certain participants, select **Options > Blocking options**, and select from the following:

Add to blocked list—To block messages from the currently selected participant.

Add ID to list manually—To enter the user ID of the participant. Enter the ID, and press the scroll key.

View blocked list—To see the participants whose messages are being blocked.

Unblock—To select the user that you want to remove from the blocked list. Press the scroll key.

Record chats

Options in the recorded chats view are **Open**, **Delete**, **Send**, **Mark/Unmark**, **Login/Logout**, **Settings**, **Help**, and **Exit**.

To record to a file the messages that are exchanged during a conversation or while you are joined in an IM group,

select **Options > Record**., enter a name for the conversation file, and press the scroll key. To stop recording, select **Options > Stop recording**.

The recorded conversation files are automatically saved in the **Recorded chats**.

To view the recorded chats, in the main view, select **Recorded chats**, select the conversation, and press the scroll key.

View and start conversations

Go to the **Conversations** view to see a list of the individual conversation participants with whom you have an ongoing conversation.

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

Options when viewing a conversation are **Send**, **Add to IM contacts**, **Insert smiley**, **Forward**, **Record convers./Stop recording**, **Blocking options**, **End conversation**, **Help**, and **Exit**

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

To return to the conversations list without closing the conversation, select **Back**.

To close the conversation, select Options > End conversation. Ongoing conversations are automatically closed when you exit IM.

To start a new conversation, select Options > New conversation:

Select recipient—To see a list of your chat contacts that are currently online. Scroll to the contact that you want to start a conversation with, and press the scroll key.

The user ID is provided by the service provider to those who register to this service.

Enter user ID—To enter the user ID of the user you want to start a conversation with, and press the scroll key.

To save a conversation participant to your IM contacts, scroll to the participant, and select Options > Add to IM contacts.

To send automatic replies to incoming messages, select Options > Set auto reply on. Enter the text, and select Done. You can still receive messages.

Contacts

Go to the IM contacts to retrieve chat contact lists from the server, or to add a new chat contact to a contact list. When you log in to the server, the previously used chat contact list is retrieved from the server automatically.

Options in the IM contacts view are Open conversation, Open, Change contact list, Reload user availab., Belongs to groups, New IM contact, Move to other list, Edit, Delete, Switch tracking on, Blocking options, Login/Logout, Settings, Help, and Exit.

To create a new contact, select Options > New IM contact > Enter manually. Fill in the Nickname and User ID fields, and select Done.

To move a contact from a list on the server to the retrieved list, select Options > New IM contact > Move from other list.

To change the chat contact list, select Options > Change contact list.

Select from the following options:

Open conversation—To start a new conversation or continue an ongoing conversation with the contact.

Switch tracking on—To have the phone notify you every time the chat contact goes online or offline.

Belongs to groups—To see which groups the chat contact has joined.

Reload user availab.—To update information about whether the contact is online or offline. The online status is shown by an indicator next to the contact name. This

option is not available if you have set the Availability reloading to Automatic in IM settings.

Manage groups

Options in the IM groups view are Open, Join new group, Create new group, Leave IM group, Group, Search, Login/Logout, Settings, Help, and Exit.

Go to the IM groups view to see a list of the IM groups that you have either saved or are currently joined to.

Scroll to a group, and select Options > Group from the following:

Save—To save an unsaved group that you are currently joined to.

View participants—To see who are currently joined to the group.

Details—To see the group ID, topic, participants, administrators of the group (shown only if you have the editing rights), the list of blocked participants (shown only if you have the editing rights), and whether private conversations are allowed in the group.

Settings—To view and edit the chat group settings. See "Create a new group," page 80.

Administer a group

Create a new group

Select IM groups > Options > Create new group. Enter the settings for the group.

You can edit the settings for an IM group if you have administrator rights to the group. The user who creates a group is automatically given administrator rights to it.

Group name, Group topic, and Welcome note—To add details that the participants see when they join the group,

Group size—To define the maximum number of members allowed to join the group.

Allow search—To define if others can find the chat group by searching.

Editing rights—To define the chat group participants to whom you want to give rights to invite contacts to join the IM group and edit the group settings.

Group members—See "Add and remove group members," page 81.

Banned list—Enter the participants that are not allowed to join the IM group.

Allow private msgs.—To allow messaging between selected participants only.

Group ID—The group ID is created automatically and cannot be changed.

Add and remove group members

To add members to a group, select IM groups, scroll to an IM group, and select Options > Group > Settings > Group members > Selected only or All.

To remove a member from the IM group, scroll to the member, and select Options > Remove. To remove all members, select Options > Remove all.

Chat server settings

Select Options > Settings > Server settings. You may receive the settings in a special text message from the network operator or service provider that offers the chat service. You obtain the user ID and password from your service provider when you register to the service. If you do not know your user ID or password, contact your service provider.

To change the IM server to which you wish to connect, select Default server.

To add a new server to your list of IM servers, select Servers > Options > New server. Enter the following settings:

Server name—Enter the name for the chat server.
Access point in use—Select the access point you want to use for the server.
Web address—Enter the URL address of the IM server.
User ID—Enter your user ID.
Password—Enter your login password.

Connectivity



Bluetooth connection

Bluetooth technology enables wireless connections to send images, video clips, music and sound clips, and notes, or to connect wirelessly to compatible devices with Bluetooth technology such as computers. Since devices with Bluetooth technology communicate using radio waves, your phone and the other device do not need to be in direct line-of-sight. The two devices only need to be within a maximum of 32 feet (10 meters) of each other, although the connection can be subject to interference from obstructions such as walls or from other electronic devices.

This device is compliant with Bluetooth Specification 1.2 supporting the following profiles: Generic Access Profile, Serial Port Profile, Bluetooth Printing Profile, Dial-up Networking Profile, Headset Profile, Handsfree Profile, Generic Object Exchange Profile, Object Push Profile, File Transfer 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.

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

Features that use Bluetooth technology, or allow such features to run in the background while using other features, increase the demand on battery power and reduces the battery life.

Bluetooth connection settings

Press the menu key, and select Connect. > Bluetooth.

Enter the following:

Bluetooth—Set to On or Off.

My phone's visibility > Shown to all—Your phone can be found by other devices with Bluetooth technology or Hidden—Your phone cannot be found by other devices.


My phone's name—Define a name for your phone. After you have set a Bluetooth connection and changed My phone's visibility to Shown to all, your phone and this name can be seen by other users with devices using Bluetooth technology.

Send data


There can be only one active Bluetooth connection at a time.

- 1 Open an application where the item you wish to send is stored. For example, to send an image to another compatible device, select Gallery.

- 2 Select the item, for example, an image, and Options > Send > Via Bluetooth.

 **Tip!** When searching for devices, some devices may show only the unique addresses (device addresses). To find the unique address of your phone, enter the code ***#2820#** in the standby mode.

The phone starts to search for devices within range. Devices with Bluetooth technology that are within range start to appear on the display one by one. You can see a device icon, the name of the device, the device type, or a short name.

 **Tip!** If you have searched for devices earlier, a list of the devices that were found previously is shown first. To start a new search, select More devices. If you switch off the phone, the list is cleared.

To interrupt the search, select Stop. The device list freezes, and you can start to form a connection to one of the devices already found.

Connectivity

- 3 Select the device with which you want to connect.
- 4 If the other device requires pairing before data can be transmitted, a tone sounds and you are asked to enter a passcode.

Create your own passcode (1–16 digits), and agree with the owner of the other device to use the same code. The passcode is used only once.

 **Tip!** To send text using a Bluetooth connection (instead of text messages), select Notes, write the text, and select Options > Send > Via Bluetooth.

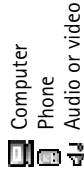
After pairing, the device is saved to the paired devices view.

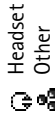
Pairing means authentication. The users of the devices with Bluetooth technology should agree what the passcode is and use the same passcode for both devices in order to pair them. Devices that do not have a user interface have a factory-set passcode.

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

The Drafts folder in Messaging does not store messages sent using a Bluetooth connection.

Icons for different devices:





Check the connection status

- When is shown in the standby mode, a Bluetooth connection is active.
- When is blinking, your phone is trying to connect to the other device.
- When is shown continuously, the Bluetooth connection is active.

Pair devices



Tip! To define a short name (nickname or alias), scroll to the device and select **Options > Assign short name** in the paired devices view. This name helps you to recognize a certain device during device search or when a device requests a connection.

Paired devices are easier to recognize; they are indicated by in the device search. In the Bluetooth main view, scroll right to open the paired devices view ().

To pair with a device, select **Options > New paired device**. The phone starts a device search. Select the device. Exchange passcodes. See step 4 in "Send data," page 83.

To cancel a pairing, scroll to the device, and select **Options > Delete**. If you want to cancel all pairings, select **Options > Delete all**.



Tip! If you are currently connected to a device and delete the pairing with that device, pairing is removed immediately, but the connection remains active.

To set a device to be authorized or unauthorized, scroll to a device, and select from the following options:

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

Receive data

When you receive data using a Bluetooth connection, a tone sounds, and you are asked if you want to accept the message. If you accept, is shown, and the item is placed in the Inbox folder in Messaging. Messages received using a Bluetooth connection are indicated by . See "Inbox," p. 49.

Switch off Bluetooth

To switch off Bluetooth connectivity, select Bluetooth > Off.

PC connections

You can use your phone with a variety of PC connectivity and data communications applications, for example, the MMC card reader. With Nokia PC Suite you can synchronize contacts, calendar and to-do notes between your phone and a compatible PC. For further information on how to install Nokia PC Suite (compatible with Windows 2000 and Windows XP), see the User Guide for Nokia PC Suite and the Nokia PC Suite help in the 'Install' section on the CD-ROM.

CD-ROM

The CD-ROM should launch after you insert it into the CD-ROM drive of a compatible PC. If not, proceed as follows: Open Windows Explorer, right-click the CD-ROM drive where you inserted the CD-ROM, and select Autoplay.

Your phone as a modem



You can use your phone as a modem to send and receive e-mail, or to connect to the Internet with a compatible PC

by using a Bluetooth connection or a data cable. Detailed installation instructions can be found in the User Guide for Nokia PC Suite in Modem options on the CD-ROM.



Connection manager

You may have multiple data connections active at the same time when you are using your phone in GSM networks. Press the menu key, and select Connect. > Conn. mgr. to view the status of multiple data connections, view details on the amount of data sent and received, and end connections. When you open Conn. mgr., you can see the following information:

- Open data connections: data calls () and packet data connections ()
- The status of each connection
- The amount of data uploaded and downloaded for each connection (shown for packet data connections only)
- The duration of each connection (shown for data calls only)



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

To end a connection, scroll to a connection, and select Options > Disconnect.

To close all currently open connections, select Options > Disconnect all.

View data connection details

Options in Conn. mgr. main view when there are one or more connections are Details, Disconnect, Disconnect all, Help, and Exit.

To view the details of a connection, scroll to a connection, and select Options > Details.

Name—The name of the Internet access point (IAP) in use, or the modem connection name if the connection is a dial-up connection.

Bearer—The type of data connection: Data call, High sp. GSM, or Packet data.

Status—The current status of the connection: Connecting, Conn.(inact.), Conn.(active), On hold, Disconnecting., or Disconnected.

Received—The amount of data, in bytes, received to the phone.

Sent—The amount of data, in bytes, sent from the phone.

Duration—The length of time that the connection has been open.

Speed—The current speed of both sending and receiving data in kilobytes per second.

Name—Access point name used.

Dial-up—The dial-up number used.

Shared (not shown if the connection is not shared)—The number of applications using the same connection.



Remote synchronization

Press the menu key, and select Connect > Sync. Sync enables you to synchronize your calendar and contacts with various calendar and address book applications on a compatible computer or on the Internet.

The synchronization application uses SyncML technology for synchronization. For information on SyncML compatibility, contact the supplier of the calendar or address book application you want to synchronize your phone data with.

You may receive synchronization settings in a special text message. See "Data and settings," p. 50.

New synchronization profile

Options in the Sync main view are Synchronize, New sync profile, Edit sync profile, Delete, View log, Set as default, Help, and Exit.

- 1 If no profiles have been defined, the phone asks if you want to create a new profile. Select Yes.
To create a new profile in addition to existing ones, select Options > New sync profile. Choose whether you want to use the default setting values or copy the values from an existing profile to be used as the basis for the new profile.

- 2 Define the following:

Sync profile name—Write a descriptive name for the profile.

Data bearer—Select the connection type: Web, Bluetooth, or Data cable.

Access point—Select an access point to use for the data connection.

Host address—Contact your service provider or system administrator for the correct values.

Port—Contact your service provider or system administrator for the correct values.

User name—Your user ID for the synchronization server.
Contact your service provider or system administrator for your correct ID.

Password—Write your password. Contact your service provider or system administrator for the correct value.

Connectivity

Allow configuration—Select Yes if you want to allow the server to start a synchronization.

Auto-accept all reqs.—Select No if you want the phone to ask you before a synchronization initialized by the server is started.

Network authentic. (shown only if Data bearer is set to Web)—Select Yes to enter a network user name and password. Scroll down to view the user name and password fields.

Scroll right to select: Calendar, Contacts, or Notes.

- Select Yes if you want to synchronize the selected database.
 - In Remote database, select the synchronization type: Normal (two-way synchronization), To server only, or To phone only.
 - Enter a correct path to the remote calendar, address book, or notes database on the server.
- 3 Select Back to save the settings and return to the main view.

Synchronize data

In the Sync main view, you can see the different synchronization profiles and the kind of data to be synchronized.

- 1 Select a synchronization profile and Options > Synchronize. The status of the synchronization is shown at the bottom of the screen.

To cancel synchronization before it finishes, press **Cancel**.

- 2 You are notified when the synchronization is complete. After synchronization is complete, select **Options > View log** to open a log file showing the synchronization status (**Complete** or **Incomplete**) and how many calendar or contact entries have been added, updated, deleted, or discarded (not synchronized) in the phone or on the server.



Device manager

Press **Menu**, and select **Connect. > Dev. mgr.** You may receive server profiles and different configuration settings from your network operator, service provider, or company information management department. These configuration settings may include access point settings for data connections and other settings used by different applications in your phone.

To connect to a server and receive configuration settings for your phone, select **Start configuration**.

To allow or deny receiving of configuration settings from a service provider, select **Enable config.** or **Disable config.**

Server profile settings

Contact your service provider for the correct settings.

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 phone to the server.

Session mode— Select **Bluetooth** or **Web**.

Access point—Select an access point to be used when 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.

Allow configuration—To receive configuration settings from the server, select **Yes**.

Auto-accept all reqs.—If you want the phone to ask for confirmation before accepting a configuration from the server, select **No**.

Tools



Settings

To change settings, press the menu key, and select Tools > Settings. Scroll to select a setting group, and press the scroll key to open it. Scroll to select a setting you want to change, and press the scroll key .



Phone settings

General

Phone language—Changing the language of the display texts in the phone also affects the format used for date and time and the separators used, for example, in calculations. Automatic selects the language according to the information on the SIM card. After you change the display text language, the phone restarts.

Changing the settings for Phone language or Writing language affects every application in the phone, and the change remains effective until you change these settings again.

Writing language—Changing the language affects the characters and special characters available when writing text and using the predictive text dictionary.

Predictive text—You can set the predictive text input On or Off for all editors in the phone. The predictive text dictionary is not available for all languages.

Welcome note or logo—The welcome note or logo is displayed briefly each time you switch on the phone. Select Off to disable the Welcome note or logo, Text to write a welcome note (up to 50 letters), or Image to select a photo or picture from Gallery.

Orig. phone settings—You can reset some of the settings to their original values. To do this, you need the lock code. See "Security," page 94 and "Phone and SIM," page 94.

After resetting, the phone may take a longer time to power on. Documents and files are unaffected.

Standby mode

Active standby—Use shortcuts to applications in the standby mode. See 'Active standby mode', p. 20.

Left selection key—To assign a shortcut to the left selection key in the standby mode, select an application from the list.

Right selection key—To assign a shortcut to the right selection key in the standby mode, select an application from the list.

To assign keypad shortcuts for the different presses of the scroll key, select an application from the list. The scroll key shortcuts are not available if the active standby is on.

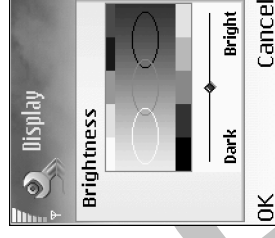
Operator logo—This setting is visible only if you have received and saved an operator logo. You can choose if you want the operator logo to show or not.

Display

Brightness - You can change the brightness of the display to lighter or darker. The brightness of the display is automatically adjusted according to the environment.

Screen saver timeout—The screen saver is activated when the timeout period is over.

Light time-out—Select a timeout after which the backlight is switched off.



Call settings

Send my caller ID (network service)—You can set your phone number to be displayed to (Yes) or hidden from (No) the person whom you are calling, or the value may be set by the network operator or service provider when you make a subscription ([Set by network](#)).

Call waiting (network service)—If you have activated call waiting, the network notifies you of a new incoming call while you have a call in progress. Select **Activate** to request the network to activate call waiting, **Cancel** to request the network to deactivate call waiting, or **Check status** to check if the function is active or not.

Reject call with SMS—Select **Yes** to send a text message to a caller informing why you could not answer the call. See 'Answer or reject a call', p. 22.

Message text—Write a text to be sent in a text message when you reject a call.

Tip! To change the settings for call diverting, press the menu key, and select **Tools > Settings > Call forwarding**. See "Call diverting," page 97.

Automatic redial—Select **On**, and the phone makes a maximum of ten attempts to connect the call after an unsuccessful call attempt. To stop automatic redialing press the end key.

Summary after call—Activate this setting if you want the phone to briefly display the approximate duration of the last call.

Speed dialling—Select On, and the numbers assigned to the speed dialling keys (2–9) can be dialled by pressing and holding the key. See also ‘1–touch dialling’, p. 21.

Anykey answer—Select On, and to answer an incoming call, briefly press any key, except the left and right selection keys, the power key, and the end key.

Line in use (network service)—This setting is shown only if the SIM card supports two subscriber numbers; that is, two phone lines. Select which phone line you want to use for making calls and sending text messages. Calls on both lines can be answered irrespective of the selected line. If you select Line 2 and have not subscribed to this network service, you will not be able to make calls. When line 2 is selected, 2 is shown in the standby mode.

 **Tip!** To switch between the phone lines, press and hold # in the standby mode.

Line change (network service)—To prevent line selection, select Line change > Disable if supported by the SIM card. To change this setting, you need the PIN2 code.



Connection settings

Data connections and access points

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

General packet radio service (GPRS) uses packet data technology where information is sent in short packets of data over the mobile network.

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

- MMS access point to send and receive multimedia messages
- Access point for the Web application to view WML or XHTML pages
- Internet access point (IAP) to send and receive e-mail

Check the kind of an access point you need with your service provider for the service you wish to access. For availability and subscription to packet data connection services, contact your network operator or service provider.

Packet data connections in GSM networks

When you use your phone in GSM networks, multiple data connections can be active at the same time, access points can share a data connection, and data connections remain active during voice calls. To check the active data connections, see ‘Connection manager’, p. 85.

The following indicators may be displayed below the signal indicator, depending on which network you use:

- ☎ GSM network, packet data is available in the network.
- ☎ GSM network, packet data connection is active, data is being transferred.
- ☎ GSM network, multiple packet data connections are active.
- ☎ GSM network, packet data connection is on hold. (This can happen during a voice call, for example.)

Receive access point settings

You may receive access point settings in a text message from a service provider, or you may have preset access point settings in your phone. See 'Data and settings', p. 50.

To create a new access point, select **Tools > Settings > Connection > Access points**.

An access point may be protected (🔒) by your network operator or service provider. Protected access points cannot be edited or deleted.

Access points

Options in the Access points list are Edit, New access point, Delete, Help, and Exit.

Follow the instructions given to you by your service provider.

Connection name—Give a descriptive name for the connection.

Data bearer—Depending on what data connection you select, only certain setting fields are available. Fill in all fields marked with **M** must be defined or with a red asterisk. Other fields can be left empty, unless you have been instructed otherwise by your service provider.

Options when editing access point settings are Change, Advanced settings, Help, and Exit.

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

Access point name (for packet data only)—The access point name is needed to establish a connection to the packet data network. You obtain the access point name from your network operator or service provider.

☎ **Tip!** See also 'Receive MMS and e-mail settings', p. 49, 'E-mail', p. 56, and 'Access the Web', p. 63.

User name—The user name may be needed to make a data connection, and is usually provided by the service provider. The user name is often case-sensitive.

Prompt password—If you must enter a new password every time you log in to a server, or if you do not want to save your password in the phone, choose Yes.

Password—A password may be needed to make a data connection, and is usually provided by the service provider. The password is often case-sensitive.

Authentication—Select Normal or Secure.

Homepage—Depending on what you are setting up, write the Web address or the address of the multimedia messaging centre.

Select Options > Advanced settings to change the following settings:

Network type—Select the Internet protocol type to use: IPv4 settings or IPv6 settings.

Phone IP address—Enter the IP address of your phone.

Name servers—In Primary name server, enter the IP address of the primary DNS server. In Second. name server, enter the IP address of the secondary DNS server. Contact your Internet service provider to obtain these addresses.

The domain name device (DNS) is an Internet service that translates domain names such as www.nokia.com into IP addresses such as 192.100.124.195.

Proxy serv. address—Define the address for the proxy server.

Proxy port number—Enter the proxy port number.

Packet data

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

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

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

Configurations

You may receive trusted server settings from your network operator or service provider in a configuration message, or the settings may be stored on your SIM or USIM card. You can save these settings to your phone, view or delete them in Configurations.



Date and time

See 'Clock settings', p. 12.

See also the language settings in "General," page 89.



Security

Phone and SIM

PIN code request—When active, the code is requested each time the phone is switched on. Deactivating the personal identification number (PIN) code request may not be allowed by some SIM cards. See "Glossary of PIN and lock codes," page 95.

PIN code, PIN2 code, and Lock code—You can change the lock code, PIN code, and PIN2 code. These codes can only include the numbers from **0** to **9**. See "Glossary of PIN and lock codes," page 95.

Avoid using access codes similar to the emergency numbers to prevent accidental dialing of the emergency number.

If you lock your phone or forget any of these codes, contact your service provider.

Autolock period—You can set an autolock period, a time-out after which the phone automatically locks 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.

To unlock the phone, enter the lock code.



Note: When the phone is locked, calls in offline profile to certain emergency numbers programmed into your phone are still possible.



Tip! To lock the phone manually, press the power key. A list of commands opens. Select **Lock phone**.

Lock if SIM changed—You can set the phone to ask for the lock code when an unknown SIM card is inserted into your phone. The phone maintains a list of SIM cards that are recognized as the owner's cards.

Fixed dialling—You can restrict calls and text messages from your phone to selected phone numbers, if supported by your SIM card. You need the PIN2 code for this function.

To view the list of fixed dialling numbers, press the menu key, and select **Tools > Settings > Security > Phone and SIM > Fixed dialling**. To add new numbers to the fixed dialling list, select **Options > New contact or Add from Contacts**. When you use **Fixed dialling**, packet data connections are not possible, except when sending text messages over a packet data connection. In this case, the message centre number and the recipient's phone number must be included on the fixed dialling list.



Options in the **Fixed dialling** view are **Open**, **Call**, **Activ. fixed dialling/Deact. fixed dialling**, **New contact**, **Edit**, **Delete**, **Add to Contacts**, **Add from Contacts**, **Find**, **Mark/Unmark**, **Help**, and **Exit**.



Note: When security features that restrict calls are in use (such as Call restriction, Closed user group, and Fixed dialling) calls still may be possible to the official emergency numbers programmed into your phone.

Closed user group (network service)—You can specify a group of people to whom you can call and who can call you.

Confirm SIM services (network service)—You can set the phone to display confirmation messages when you are using a SIM card service.

Glossary of PIN and lock codes

Personal identification number (PIN) code—This code protects your SIM card against unauthorized use. The PIN code (4 to 8 digits) is usually supplied with the SIM card. After three consecutive incorrect PIN code entries, the PIN code is blocked, and you need to unblock it before you can use the SIM card again. See the information about the PUK code in this section.

UPIN code—This code may be supplied with the USIM card. The USIM card is an enhanced version of the SIM card and is supported by UMTS mobile phones. The UPIN code protects the USIM card against unauthorized use.

PIN2 code—This code (4 to 8 digits) is supplied with some SIM cards, and is required to access some functions in your phone.

Lock code—This code (5 digits) can be used to lock the phone to avoid unauthorized use. The factory setting for the lock code is **12345**. To avoid unauthorized use of your phone, change the lock code. Keep the new code secret and in a safe place separate from your phone.

Personal unblocking key (PUK) code and PUK2 code—These codes (8 digits) are required to change a blocked PIN code or PIN2 code, respectively. If the codes are not supplied with the SIM card, contact the operator whose SIM card is in your phone.

UPUK code—This code (8 digits) is required to change a blocked UPIN code. If the code is not supplied with the USIM card, contact the operator whose USIM card is in your phone.

Wallet code—This code is required to use the wallet services. See 'Wallet', p. 72.

Certificate management

Digital certificates do not guarantee safety; they are used to verify the origin of software.

In the certificate management main view, you can see a list of authority certificates that are stored in your phone. Scroll right to see a list of personal certificates, if available.

Options in the certificate management main view are Certificate details, Delete, Trust settings, Mark/Unmark, Help, and Exit.

Digital certificates are used to verify the origin of the XHTML or WML pages and installed software. However, they can only be trusted if the origin of the certificate is known to be authentic.

Digital certificates should be used if you want to connect to an online bank or another site or remote server for actions that involve transferring confidential information. They should also be used if you want to reduce the risk of viruses or other malicious software and be sure of the authenticity of software when downloading and installing software.



Important: Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your phone are correct.

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.

You are notified on the phone display if the identity of the server is not authentic or if you do not have the correct security certificate in your phone.

To check certificate details, scroll to a certificate, and select Options > Certificate details. When you open certificate details, the validity of the certificate is checked, and one of the following notes may be displayed:

Certificate not trusted—You have not set any application to use the certificate. See "Change the trust settings," page 96.

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.

Change the trust settings

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.

Scroll to an authority certificate, and select **Options > Trust settings**. Depending on the certificate, a list of the applications that can use the selected certificate is shown. For example:

Symbian installation: Yes—The certificate is able to certify the origin of a new Symbian operating system application.

Internet: Yes—The certificate is able to certify servers.

App. installation: Yes—The certificate is able to certify the origin of a new Java application.

Select **Options > Edit trust setting** to change the value.

Call diverting



Call forwarding allows you to divert your incoming calls to your voice mailbox or another phone number. For details, contact your service provider.

- 1 Press **Menu**, and select **Tools > Settings > Call forwarding**.
- 2 Select the desired divert option. To divert voice calls when your number is busy or when you reject incoming calls, select **If busy**.
- 3 Set the divert option on **(Activate)** or off **(Cancel)**, or check whether the option is activated **(Check status)**. Several divert options can be active at the same time.

When all calls are diverted, is shown in the standby mode.

Call barring and call diverting cannot be active at the same time.



Call restriction

Call restriction (network service) allows you to restrict the calls that you make or receive with the phone. To change the settings, you need the barring password from your service provider. Select the desired barring option, and set it on **(Activate)** or off **(Cancel)**, or check whether the option is active **(Check status)**. Call restriction affects all calls, including data calls.

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

When calls are barred, calls still may be possible to certain official emergency numbers.



Network

Operator selection—Select **Automatic** to set the phone to search for and select one of the available networks, or

Manual to manually select the network from a list of networks. If the connection to the manually selected network is lost, the phone sounds an error tone and asks you to reselect a network. The selected network must have a roaming agreement with your home network, that is, the operator whose SIM card is in your phone.

A roaming agreement is an agreement between two or more network service providers to enable the users of one service provider to use the services of other service providers.

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



Enhancement settings

Indicators shown in the standby mode:

- A headset, music stand or Bluetooth wireless technology device is connected.
- A loopset is connected.
- A car kit with Bluetooth technology is connected.
- The headset is unavailable, or a Bluetooth connection to a headset is lost.

Select Headset, Car kit, Bluetooth handsfree or Loopset and the following options are available:

Default profile—To set the profile that you want activated each time you connect a certain enhancement to your phone. See 'Set tones', p. 17.

Automatic answer—To set the phone to answer an incoming call automatically after 5 seconds. If the Ringing type is set to Beep once or Silent, automatic answer is disabled.



Voice commands

You can use voice commands to add, delete, and control your phone. You record voice commands in the same way as voice tags. See 'Add a voice tag', p. 29.

Press the menu key, and select Tools > Voice com.

Add a voice command to an application

You can have only one voice command per application.

- 1 Select the application to which you want to add a voice command.
To add a new application to the list, select Options > New application.
- 2 Select Options > Add voice command. See 'Add a voice tag', p. 29.



Application manager

Press the menu key, and select **Tools > Manager**. You can install two types of applications and software to your phone:

J2ME™ applications based on Java™ technology with the extension JAD or JAR (📎). Do not download PersonalJava™ applications to your phone, as they cannot be installed.

For example, if you have received the installation file as an e-mail attachment, go to your mailbox, open the e-mail, open the attachments view, scroll to the installation file, and press **Scroll** to start installation.






Other applications and software suitable for the Symbian operating system (📎). The installation files have the SIS extension. Only install software specifically designed for your Nokia 6682 device.

Installation files may be transferred to your phone from a compatible computer, downloaded during browsing, or sent to you in a multimedia message, as an e-mail attachment, or using a Bluetooth connection. You can use Nokia Application Installer in Nokia PC Suite to install an application to your phone or a memory card. If you use Microsoft Windows Explorer to transfer a file, save the file to a memory card (local disk).

Tools

Install applications and software

Application icons are as follows:

-  SIS application
 -  Java application
 -  Application is not fully installed
 -  Application is installed on the memory card.
-  **Important:** Only install applications from sources that offer adequate protection against harmful software.

Before installation, do the following:

To view the application type, version number, and the supplier or manufacturer of the application, select **Options > View details**.

To display the security certificate details of the application, select **Options > View certificate**. See "Certificate management," page 95.

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



Tip! You can also use Nokia Application Installer available in Nokia PC Suite to install applications. See the CD-ROM supplied with the phone.

The JAR file is required for installing Java applications. If it is missing, the phone may ask you to download it. If there is no access point defined for the application, you are asked to select one. When you are downloading the JAR file, you may need to enter a user name and password to access the server. You obtain these from the supplier or manufacturer of the application.

- 1 Open Manager, and scroll to an installation file. Alternatively, search the phone memory or the memory card, select the application, and press the scroll key to start the installation.

- 2 Select Options > Install.



Tip! While browsing, you can download an installation file and install it without closing the connection.

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



Options in the Manager main view are Install, App. downloads, View details, Go to web address, View certificate, Send, Remove, View log, Send log, Update, Settings, Help, and Exit.

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

To start a network connection and to view extra information about the application, scroll to it, and select Options > Go to web address, if available.

To see what software packages have been installed or removed and when, select Options > View log.

To send your installation log to a help desk so that they can see what has been installed or removed, select Options > Send log > Via text message, Via multimedia, Via Bluetooth, or Via e-mail (available only if the correct e-mail settings are in place).

Remove applications and software

Scroll to a software package, and select Options > Remove. Select Yes to confirm.

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



Note: 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.

Application settings

Software installation—Select the kind of software you want installed: On, Signed only, or Off.

Online certif. check—Select to check the online certificates before installing an application.

Default web address—Set the default address used when checking online certificates.

Some Java applications may require a phone call, a message to be sent, or a network connection to a specific access point for downloading extra data or components. In the Manager main view, scroll to an application, and select **Options > Suite settings** to change settings related to that specific application.



Activation keys—handle copyright-protected files

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

Press the menu key, and select **Tools > Activation keys** to view the digital rights activation keys stored in your phone.

- Valid keys (🔑) are connected to one or more media files.
- With expired keys (🕒), you have no time to use the media file, or the time period for using the file is exceeded. To view the Expired activation keys, scroll right.
- To buy more usage time or extend the usage period for a media file, select an activation key, and **Options > Activate content**. Activation keys cannot be updated if Web service message reception is disabled. See 'Web service messages', p. 58.
- To view which keys are not in use at the moment (Not used), scroll right twice. Unused activation keys have no media files connected to them saved in the phone.
- To view detailed information such as the validity status and ability to send the file, select an activation key, and press the scroll key.

Dr. #

Troubleshooting

Q&A

Bluetooth connectivity

Q: Why can't I find my friend's device?

A: Check that both devices have activated Bluetooth connectivity.
Check that the distance between the two devices is not over 32.8 feet (10 meters) and that there are no walls or other obstructions between the devices.
Check that the other device is not in hidden mode.
Check that both devices are compatible.

Q: Why can't I end a Bluetooth connection?

A: If another device is connected to your phone, you can either end the connection using the other device or by deactivating Bluetooth connectivity. Select **Connect**. > **Bluetooth** > **Off**.

Multimedia messaging

Q: What should I do when the phone cannot receive a multimedia message because the memory is full?

A: The amount of memory needed is indicated in the error message: **Not enough memory to retrieve message. Delete some data first.** To view the kind of data you have and the amount of memory the different data groups consume, select **File manager** > **Options** > **Memory details**.

Q: The note **Retrieving message** is shown briefly. What is happening?

A: The phone is trying to retrieve a multimedia message from the multimedia messaging center.
Check that the settings for multimedia messaging are defined correctly and that there are no mistakes in phone numbers or addresses. Select **Messaging** > **Options** > **Settings** > **Multimedia message**.

Q: How can I end the data connection when the phone repeatedly starts a data connection?

A: To stop the phone from making a data connection, select **Messaging** and one of the following:

On receiving msg. > **Defer retrieval**—To have the multimedia messaging center save the message to be retrieved later. After this change, the phone still needs to send information notes to the network. To retrieve the message immediately, select **Retr.** immediately.
On receiving msg. > **Reject message**—To reject all incoming multimedia messages. After this change, the phone needs to send information notes to the network, and the multimedia messaging center deletes multimedia messages that are waiting to be sent to you.
Multimedia reception > **Off**—To ignore all incoming multimedia messages. After this change, the phone does not make any network connections related to multimedia messaging.

Messaging

Q: Why can't I select a contact?

A: The contact card does not have a phone number or an e-mail address. Add the missing information to the contact card in Contacts.

Camera

Q: Why do images look smudgy?

A: Check to see if the camera lens protection window is clean.

Calendar

Q: Why are the week numbers missing?

A: If you have changed the calendar settings so that the week starts on a day other than Monday, the week numbers will not be shown.

Browser services

Q: What do I do if the following message is displayed: No valid access point defined. Define one in Web settings.?

A: Insert the correct browser settings. Contact your service provider for instructions.

Log

Q: Why does the log appear empty?

A: You may have activated a filter, and no communication events fitting that filter have been logged. To see all events, select Connect. > Log > Options > Filter > All communication.

Q: How do I delete my log information?

A: Select Connect. > Log > Options > Clear log or go to Settings > Log duration > No log. These will permanently erase the log contents, recent calls register, and message delivery reports.

PC connectivity

Q: Why do I have problems in connecting the phone to my PC?

A: Make sure that Nokia PC Suite is installed and running on your PC. See the User Guide for Nokia PC Suite on the CD-ROM. For further information on how to use Nokia PC Suite, see the help function on Nokia PC Suite or visit the support pages at www.nokia.com.

Access codes

Q: What is my password for the lock, PIN, or PUK codes?

A: The default lock code is **12345**. If you forget or lose the lock code, contact your phone dealer. If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your network service provider.

For information about passwords, contact your access point provider, for example, a commercial Internet service provider (ISP), service provider, or network operator.

Application not responding

Q: How do I close an application that is not responding?

A: Open the application switching window by pressing and holding the Menu key. Then scroll to the application, and press the Clear key to close the application.

Phone display

Q: Why do missing, discolored, or bright dots appear on the screen every time I turn on my phone?

A: This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.

Memory low

Q: What can I do if my phone memory is low?

A: You can delete the following items regularly to avoid memory getting low:

- Messages from Inbox, Drafts, and Sent folders in Messaging

- Retrieved e-mail messages from the phone memory
- Saved browser pages

- Images and photos in Gallery

To delete contact information, calendar notes, call timers, call cost timers, game scores, or any other data, go to the respective application to remove the data. Try deleting items one by one (starting from the smallest item), if you are deleting multiple items and any of the following notes are shown: Not enough memory to perform operation. Delete some data first. or Memory low. Delete some data.

Q: How can I save my data before deleting it?

A: Save your data using one of the following methods:

- Use Nokia PC Suite to make a back up copy of all data to a compatible computer.

- Send images to your e-mail address, and then save the images to your computer.

Send data using a Bluetooth connection to a compatible device.

Store data on a compatible memory card.

Enhancements

If you want to enhance phone functionality, a range of enhancements is available for you. You can select any of these items to help accommodate your specific communication needs. For availability of these and other enhancements,



contact your dealer. Protective carrying cases and straps for your Nokia 6682 mobile phone are available for purchase and can be located at www.nokiausa.com.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7, ACP-8, ACP-9, and ACP-12.



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.

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

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.

Power

- Battery, 900 mAh, Li-ion (BL-5C)
- Travel chargers (ACP-12, ACP-9, ACP-8, and ACP-7)
- Mobile charger (LCH-12)

Data

- Connectivity Cable (DKU-2)
- Wireless Keyboard (SU-8W)
- Digital Pen (SU-1B)
- Multimedia Card (RS)-MMC)
- Multimedia Card (MU-1)

Audio

- Wireless Boom Headset (HS-4W)

- Wireless Headset (HDW-3)
- Wireless Headset (HS-11W)
- Headset (HS-5)
- Boom Headset (HDB-4)
- Fashion Stereo Headset (HS-3)
- Stereo Headset (HDS-3)
- Music Stand (MD-1)

Accessibility

- Loopset (LPS-4)
- Phone adapter (HDA-10)

Car

- Wireless Plug-in Handsfree (HF-6W))
- Mobile Holder (CR-27)
- Wireless Car Kit (CK-1W, CK-7W)

Imaging and lifestyle

- Image Album (PD-1)
- Nokia Remote Camera (PT-6)

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 and enjoy your device for many years.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).

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.

Reference information

Battery information

Charging and discharging 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 standby 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 the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

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 59°F and 77°F (15°C and 25°C). 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! Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

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 (2.2 cm) 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.

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

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 phone 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 6 inches (15.3 cm) 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. To minimize the potential for interference, persons with pacemakers should

- Always keep the device more than 6 inches (15.3 cm) from their pacemaker when the device is switched on
- Not carry the device in a breast pocket
- Hold the device to the ear opposite the pacemaker

If you have any reason to suspect that interference is taking place, switch off your device immediately.

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your hearing aid 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, 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.

FCC regulations prohibit using your wireless device while in the air. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

Failure to observe these instructions may lead to suspension or denial of telephone services to the offender, legal action, or both.

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 refuelling 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 phone, 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 phone for essential communications like medical emergencies.

To make an emergency call, do the following:

- 1 If the phone is not on, switch it on. Check for adequate signal strength. Some networks may require that a valid SIM card is properly inserted in the phone.
- 2 Press End as many times as needed to clear the display and ready the phone for calls.
- 3 Enter the official emergency number for your present location. Emergency numbers vary by location.
- 4 Press Call.

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. When making an emergency call, give all the necessary information as accurately as possible. Your wireless phone 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)

THE NOKIA 6682 DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy recommended by international guidelines (ICNIRP). These limits establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards and guidelines include a substantial safety margin designed to assure the safety of the public, regardless of age and health and to account for any variations in measurements.

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 international guidelines is 2.0 watts/kilogram (W/kg) averaged over ten 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 well 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 when tested according to international testing procedures for use at the ear for device type RM-58 is 0.52 W/kg. Your phone's device type is listed on the label located under the battery.

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

USA and Canada: The SAR limit of USA (FCC) and Canada (IC) is 1.6 W/kg averaged over one gram of tissue. Device type RM-58 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 0.82 W/kg and when properly worn on the body is 0.96 W/kg. Information about these devices can be found on the FCC's website at <http://www.fcc.gov/oe/fccid> by searching the equipment authorization system using FCC ID: LPRM-58.