User Guide

NOKIA
Connecting People

Nokia 6102i User Guide

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Contents

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 devices can cause interference in aircraft.

SWITCH OFF WHEN REFUELING
Do not use the phone at a refueling point. Do not use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Do not use the phone where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product documentation.
Do not 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 stored in your phone.

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

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

■ About your device

The wireless device described in this guide is approved for use on the GSM 850, 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 local customs, privacy and legitimate rights of others, including copyrights.

> **Warning:** To use any features in this device, other than the alarm clock, the device must be switched on. Do not switch the device on when wireless device use may cause interference or danger.

■ Network services

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These network services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize network services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services.

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

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as text messages, multimedia messages, audio messages, instant messaging service, e-mail, presence enhanced contacts, mobile internet services, content and application download, and synchronization with a remote internet server, require network support for these technologies.

■ Shared memory

The phone has two memories. The following features may share the first memory: contacts, text messages, picture messages (without attachments), instant messaging, groups, voice commands, calendar, and to-do notes. The second shared memory is used by files stored in **Menu** > *My Stuff*, attachments of multimedia messages, e-mail, and Java™ applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. For example, saving many Java applications may use all of the available memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as text messages, may have a certain amount of memory specially allotted to them in addition to the memory shared with other features.

General information

■ Overview of functions

Your phone provides many functions that are practical for daily use, such as a calendar, a clock, an alarm clock, a radio, and a built-in camera. Your phone also supports the following functions:

- Enhanced data rates for GSM evolution (EDGE). See "Packet data (EGPRS)," p. 71.

- Extensible hypertext markup language (XHTML). See "MEdia Net," p. 44.

- Audio messaging. See "Audio messages," p. 86.

- Instant messaging. See "Instant messaging (IM)," p. 53.

- E-mail application. See "Mobile Email," p. 36.

- Bluetooth technology. See "Bluetooth wireless technology," p. 68.

- Java 2 Platform, Micro Edition (J2ME™). See "Games & Apps," p. 41.

■ Access codes

Security code

The security code (5 to 10 digits) helps to protect your phone against unauthorized use. The preset code is 12345. To change the code and to set the phone to request the code, see "Security," p. 74.

PIN codes

The personal identification number (PIN) code and the universal personal identification number (UPIN) code (4 to 8 digits) help to protect your SmartChip against unauthorized use. See "Security," p. 74.

The PIN2 code (4 to 8 digits) may be supplied with the SmartChip and is required for some functions.

The module PIN is required to access the information in the security module. See "Security module," p. 50.

The signing PIN is required for the digital signature. See "Digital signature," p. 52.

PUK codes

The personal unblocking key (PUK) code and the universal personal unblocking key (UPUK) code (8 digits) is required to change a blocked PIN code and UPIN code, respectively. The PUK2 code (8 digits) is required to change a blocked PIN2 code. If the codes are not supplied with the SmartChip, contact your local service provider for the codes.

Restriction password

The restriction password (4 digits) is required when using *Call restrictions*. See "Security," p. 74.

■ Configuration settings service

To use some of the network services, such as mobile internet services, MMS, Nokia Xpress audio messaging, or remote internet server synchronization, your phone needs the correct configuration settings. You may be able to receive the settings directly as a configuration message. After receiving the settings, you need to save them on your phone. The service provider may provide a PIN that is needed to save the settings. For more information on availability, contact your service provider, nearest authorized Nokia dealer, or visit the support area on the Nokia Web site, **www.nokiausa.com/support**.

When you receive a configuration message, *Configuration sett. received* is displayed.

To save the settings, select **Show** > **Save**. If the phone requests *Enter settings' PIN:*, enter the PIN code for the settings, and select **OK**. To receive the PIN code, contact the service provider that supplies the settings. If no settings are saved, these settings are saved and set as default configuration settings. Otherwise, the phone asks *Activate saved configuration settings?*.

To discard the received settings, select **Exit** or **Show** > **Discard**.

To edit the settings, see "Configuration," p. 72.

■ Download content and applications

You may be able to download new content (for example, themes) to the phone (network service). Select the download function (for example, in **Menu** > **My Stuff**). To access the download function, see the respective menu descriptions. For the availability of different services, pricing, and fees, contact your service provider.

> **Important:** Use only services that you trust and that offer adequate security and protection against harmful software.

1. Get started

■ Install SmartChip card and battery

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

Keep all SmartChips out of the reach of small children.

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

The SmartChip and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting, or removing the card.

To install the SmartChip card:

1. Press the release button to remove the back cover of the phone.

2. Slide the back cover to remove it from the phone.

3. Remove the battery as shown.

4. Release the SmartChip holder.
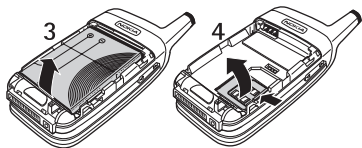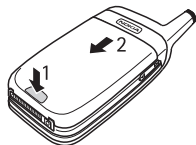
5. Insert the SmartChip.

6. Make sure that the SmartChip is properly inserted, and that the gold-colored contact area on the card is facing downwards. Close the SmartChip holder, and press it until it snaps into position.

7. Replace the battery. Observe the battery contacts. Always use original Nokia batteries. See "Nokia battery authentication guidelines," p. 91.

8. Slide the back cover into its place (9).
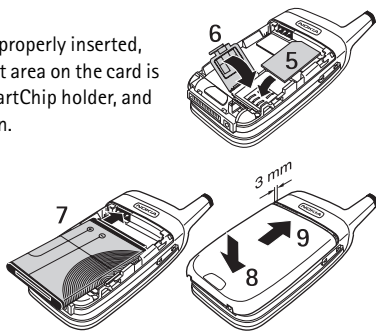
■ Charge the battery

1. Connect the charger to a wall socket.

2. Connect the lead from the charger to the socket on the bottom of your phone.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.
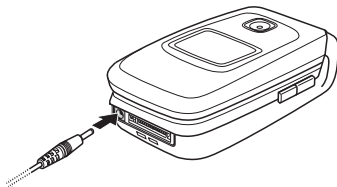
The charging time depends on the charger and the battery used. For example, charging a BL-4C battery with the AC-3 charger takes approximately 2 hours and 12 minutes while the phone is in the standby mode.

■ Switch the phone on and off

⚠ **Warning:** Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

Press and hold the power key. See "Keys and parts," p. 18.

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

■ Open the fold

When you open the fold of the phone, it opens up to approximately 155 degrees. Do not try to force the fold open more.
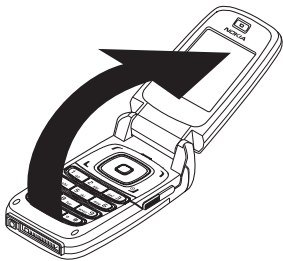
■ Normal operating position

Use the phone only in its normal operating position.

■ Antenna

Your device has an external antenna.
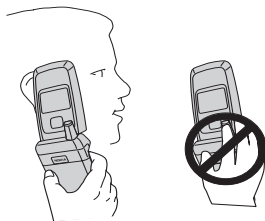
Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. To optimize antenna performance and battery life, avoid contact with the antenna when operating the device.

2. Your phone

■ Keys and parts

Earpiece (1)

Main display (2)

Left selection key (3)

Middle selection key (4)

Right selection key (5)

Volume key (6)

4-way scroll key (7)

Call key (8)

Camera release key (9)

Infrared (IR) port (10)

End and power key (11)

Charger connector (12)

Pop-Port™ connector (13)

Microphone (14)

eamYour phone
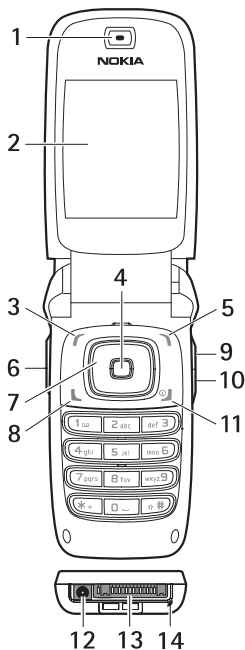
Loudspeaker (15)
Camera lens (16)
Mini display (17)

15
16
9
10
17
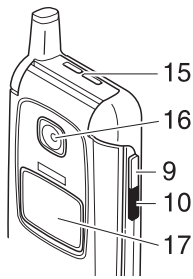
■ Standby mode

When the phone is ready for use, and you have not entered any characters, the phone is in the standby mode.

Mini display

When the fold is closed, the mini display may show the following:

- The signal strength of the cellular network at your current location and the battery charge level
- The name of the network. If the phone is not in service, it is indicated by a text note.
- The time, the active profile, and the alarm clock or calendar note alerts

When you have an incoming call, the caller's name or number is shown if it is identified.

Main display

In the standby mode, the main display may show the following:

- Name of the network or the operator logo (1)
- Signal strength of the cellular network at your current location (2)
- Battery charge level (3)
- Function of the left selection key is **Go to** (4).
- Function of the middle selection key is **Menu** (5)
- Function of the right selection key is **AT&T Mall** (6) or another shortcut to a function that you selected. See "My shortcuts," p. 65. Operator variants may have an operator-specific name to access an operator-specific Web site.
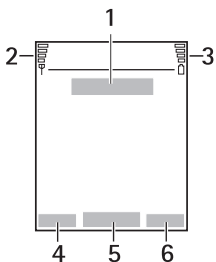
Personal shortcut list

The left selection key is **Go to**.

To view the functions in the personal shortcut list, select **Go to**.

To activate a function select it.

To view a list with available functions, select **Go to** > **Options** > *Select options*. To add a function to the shortcut list, select **Mark**. To remove a function from the list, select **Unmark**.

To rearrange the functions on your personal shortcut list, select **Go to** > **Options** > *Organize*. Select the desired function, **Move**, and the place where you want to move the function.

Shortcuts in the standby mode

• To access the list of dialed numbers, press the call key once. Scroll to the number or name that you want. To call the number, press the call key.

• To open the web browser, press and hold **0**.

• To call your voice mailbox, press and hold **1**.

• Use the scroll key as a shortcut. See "My shortcuts," p. 65.

Power saving

A digital clock view overwrites the display when no function of the phone has been used for a certain period of time. To activate the power saver, see *Power saver* in "Main display," p. 66, and "Mini display," p. 66. To deactivate the power saver, open the fold, or press any key.

Indicators

✉	You received one or several text or picture messages. See "Read and reply to an SMS message," p. 31.
⊂⊒	You received one or several multimedia messages. See "Read and reply to a multimedia message," p. 34.
↦☎	The phone logged a missed call. See "Recent calls," p. 29.
⊶0	The keypad is locked. See "Keypad lock (keyguard)," p. 22.
✗	The phone does not ring for an incoming call or text message when *Incoming call alert* and *Message alert tone* are set to *Off*. See "Tones," p. 65.
✦	The alarm clock is set to *On*. See "Alarm clock," p. 75.

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G   When the packet data connection mode *Always online* is selected and the packet data service is available, the indicator is shown. See "Packet data (EGPRS)," p. 71.

G   A packet data connection is established. See "Packet data (EGPRS)," p. 71 and "Browse pages," p. 45.

N   The packet data connection is suspended (on hold), for example, if there is an incoming or outgoing call during a packet data dial-up connection.

ᵖ···   When the infrared connection is activated, the indicator is shown continuously.

⊛   Bluetooth connection indicator. See "Bluetooth wireless technology," p. 68.

■ Keypad lock (keyguard)

To prevent the keys from being accidentally pressed, select **Menu**, and press ***** within 3.5 seconds to lock the keypad.

To unlock the keypad, select **Unlock**, and press *****. If the *Security keyguard* is set *On*, enter the security code if requested.

To answer a call when the keyguard is on, press the call key. When you end or decline the call, the keypad automatically locks.

For *Automatic keyguard* and *Security keyguard*, see "Phone settings," p. 68.

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

3. Call functions

■ Make a call

1. Enter the phone number, including the area code.

   For international calls, press ***** twice for the international prefix (the + character replaces the international access code) and then enter the country code, the area code without the leading 0, if necessary, and the phone number.

2. To call the number, press the call key.

3. To end the call or to cancel the call attempt, press the end key, or close the phone.

To make a call using names, find a name or phone number in **Address Book**. See "Find a contact," p. 59. Press the call key to call the number.

To access the list of up to 20 numbers you last called or attempted to call, press the call key once in the standby mode. To call the number, select a number or name, and press the call key.

Speed dialing

Assign a phone number to one of the speed dialing keys, **2** to **9**. See "Speed dialing," p. 63. Call the number in either of the following ways:

• Press a speed dialing key, then the call key.

• If *Speed dialing* is set to *On*, press and hold a speed dialing key until the call begins. See *Speed dialing* in "Call settings," p. 67.

■ Answer or decline a call

To answer an incoming call, press the call key or open the phone. To end the call, press the end key or close the phone.

To decline an incoming call when the phone is open, press the end key or close the phone. To decline an incoming call when the phone is closed, open the phone and press the end key within 1.5 seconds.

To mute the ringing tone, press one of the volume keys, or select **Silence**.

If the *Forward if busy* function is activated to forward the calls (for example, to your voice mailbox) declining an incoming call also forwards the call. See "Call settings," p. 67.

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

Call waiting

To answer the waiting call during an active call, press the call key. The first call is put on hold. To end the active call, press the end key.

To activate the *Call waiting* function, see "Call settings," p. 67.

■ Options during a call

Many of the options that you can use during a call are network services. For availability, contact your service provider.

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

Call options are *Mute* or *Unmute*, *Address book*, *Menu*, *Auto volume on*, *Lock keypad*, *Record*, *Loudspeaker* or *Handset*.

Network services options are *Answer* and *Decline*, *Hold* or *Unhold*, *New call*, *Add to conference*, *End call*, *End all calls*, and the following:

Touch tones — to send tone strings

Swap — to switch between the active call and the call on hold

Conference — to make a conference call that allows up to five persons to take part in a conference call

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

4. Write text

You can enter text (for example, when writing messages) using traditional or predictive text input. When using traditional text input, press a number key, **1** to **9**, repeatedly until the character you want is displayed. In predictive text input you can enter a letter with a single keypress.

When you write text, predictive text input is indicated by ⟩ and traditional text input by ⟩ at the top left of the display. **Abc** , **abc** , or **ABC** appear next to the text input indicator, indicating the character case.To change the character case and the text input mode, press **#**. **123** indicates number mode. To change from the letter to number mode, press and hold **#**, and select *Number mode*.

■ Settings

To set the writing language, select **Options** > *Writing language*. Predictive text input is only available for the languages listed.

Select **Options** > *Dictionary on* to set the predictive text input or *Dictionary off* to set traditional text input.

■ Predictive text input

Predictive text input allows you to write text quickly by using the phone keys and a built-in dictionary to which you can also add new words.

1. Start writing a word using the **keys 2** to **9** , and press each key only once for one letter. The word changes after each keystroke.

2. When you finish writing the word and it is correct, press **0** to add a space and confirm it, or press any of the scroll keys to move the cursor.

3. If a displayed word is not correct, press ***** repeatedly or select **Options** > *Matches*. When the word that you want is displayed, select **Use**.

4. If the **?** character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, select **Spell**. The phone displays the entered letters. Enter the word (traditional text input is used) and select **Save**.

5. Start writing the next word.

Write compound words

Enter the first part of the word, and press the scroll key right to confirm it. Write the next part of the word, and confirm the word.

■ Traditional text input

Press a number key, **1** to **9**, repeatedly until the character you want is displayed. Not all characters available under a number key are printed on the key. The characters available depends on the selected writing language. See "Settings," p. 26.

If the next letter you want is located on the same key as the current one, wait until the cursor is displayed or press the scroll key and enter the letter.

To access the most common punctuation marks and special characters, press **1** key. To insert a space, press **0**.

5. Menus

The phone offers you an extensive range of functions, which are grouped into menus.

1. To access the menu, select **Menu**. To change the menu view, select **Options** > *Main menu view* > *List* or *Grid*.

2. Scroll through the menu and select a submenu (for example, *Settings*).

3. If the menu contains submenus, select the one that you want (for example, *Call settings*).

4. If the selected menu contains further submenus, select the one that you want (for example, *Anykey answer*).

5. Select the setting of your choice.

6. To return to the previous menu level, select **Back**. To exit the menu, select **Exit**.

6. Recent calls

The phone logs the phone numbers of identified missed, received, and dialed calls; the message recipients; and the approximate length of your calls.

The phone logs if it is switched on and within the network's service area, and the network supports these functions.

When you select **Menu** > *Recent Calls*, then **Options** in the *Missed calls*, *Calls received*, *Calls made*, or *Message Recipients* menu, you can view the time of the call; edit, view, or call the logged phone number; add it to the memory; or delete it from the list. You can also send a text message. To delete the recent calls lists, select *Clear recent calls*.

■ Counters and timers

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

Some timers, including the life timer, may be reset during service or software upgrades.

Select **Menu** > *Recent Calls* > *Call time*, *Packet data counter*, or *Packet data conn. timer* for approximate information on your recent communications.

7. Messaging

The message services can only be used if they are supported by your network or your service provider.

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

> **Important:** Exercise caution when opening messages. Messages may contain malicious software or otherwise be harmful to your device or PC.
>
> Only devices that have compatible features can receive and display messages. The appearance of a message may vary depending on the receiving device.

■ Text messages (SMS)

Using the short message service (SMS) you can send and receive multipart messages made of several ordinary text messages (network service) that can contain pictures.

Before you can send any text, picture, or e-mail message, you must save your message center number. See "Message settings," p. 39.

To check SMS e-mail service availability and to subscribe to the service, contact your service provider.

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

At the top of the display, you can see the message length indicator that tracks the number of characters available. For example, 10/2 means that you can still add 10 characters for the text to be sent as two messages.

Write and send an SMS message

1. Select **Menu** > *Messages* > *New message* > *Text*.
2. Enter a message. See "Write text," p. 26. To insert text templates or a picture into the message, see "Templates," p. 32. Each picture message comprises several text messages. Sending one picture or multipart message may cost more than sending one text message.
3. To send the message, select **Send** > *Recently used*, *To phone number*, or *To many*. To send a message using a predefined message profile, select *Via sending profile*. For the message profile, see "Text," p. 39. Select or enter a phone number or e-mail address, or select a profile.

Read and reply to an SMS message

$\boxtimes$ is shown when you receive an SMS message or an SMS e-mail. The blinking $\boxtimes$ indicates that the message memory is full. Before you can receive new messages, delete some of your old messages in the *Inbox* folder.

1. To view a new message, select **Show**. To view it later, select **Exit**.

   To read the message later, select **Menu** > *Messages* > *Inbox*. If more than one message is received, select the message that you want to read. $\boxtimes$ indicates an unread message.
2. While reading a message, select **Options**, and delete or forward the message; edit the message as a text message or an SMS e-mail, rename the message you are reading, or move it to another folder; or view or extract message details. You can also copy text from the beginning of the message to your phone calendar as a reminder note. To save the picture in the *Templates* folder when reading a picture message, select *Save picture*.

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3. To reply as a message, select **Reply** > *Text*, *Multimedia*, or *Audio message*. Enter the reply message. When replying to an e-mail, first confirm or edit the e-mail address and subject.

4. To send the message to the displayed number, select **Send** > *OK*.

Templates

Your phone has text templates ▤ and picture templates ▣ that you can use in text, picture, or SMS e-mail messages.

To access the template list, select **Menu** > *Messages* > *Saved items* > *Text messages* > *Templates*.

■ Multimedia messages

A multimedia message can contain text, sound, a picture, a calendar note, a business card, or a video clip. If the message is too large, the phone may not be able to receive it. Some networks allow text messages that include an internet address where you can view the multimedia message.

You cannot receive multimedia messages during a call, a game, another Java application, or an active browsing session over GSM data. Because delivery of multimedia messages can fail for various reasons, do not rely solely upon them for essential communications.

Write and send a multimedia message

To set the settings for multimedia messaging, see "Multimedia," p. 39. To check availability and to subscribe to the multimedia messaging service, contact your service provider.

1. Select **Menu** > *Messages* > *New message* > *Multimedia*.

2. Enter a message. See "Write text," p. 26.

To insert a file, select **Options** > *Insert* and from the following options:

Image, *Sound clip*, or *Video clip* — to insert a file from **Menu** > *My Stuff*.

New image opens the *Camera* — to take a new image to be added to the message.

Sound clip opens the *Recorder* — to make a new record to be added to the message.

Business card or *Calendar note* — to insert a business card or a calendar note in the message.

Slide — to insert a slide to the message. Your phone supports multimedia messages that contain several pages (slides). Each slide can contain text, one image, a calendar note, a business card, and one sound clip. To open a desired slide, if the message contains several slides, select **Options** > *Previous slide*, *Next slide*, or *Slide list*. To set the interval between the slides, select **Options** > *Slide timing*. To move the text component to the top or bottom of the message, select **Options** > *Place text first* or *Place text last*.

The following options may also be available: *Delete* to delete an image, slide, or sound clip from the message, *Clear text*, *Preview*, or *Save message*. In *More options*, other options are available.

3. To send the message, select **Send** > *Recently used*, *To phone number*, *To e-mail address*, or *To many*.

4. Select the contact from the list, or enter the recipient's phone number or e-mail address, or find it in *Address Book*. Select **OK**. The message is moved to the *Outbox* folder for sending.

While the multimedia message is being sent, the animated indicator ⊜ is displayed and you can use other functions on the phone. If the sending fails, the phone tries to resend it a few times. If this fails, the message remains in the *Outbox* folder, and you can try to resend it later.

If you select *Save sent messages* > *Yes*, the sent message is saved in the *Sent* folder. See "Multimedia," p. 39. When the message is sent, it is not an indication that the message has been received at the intended destination.

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

Read and reply to a multimedia message

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

When your phone receives a multimedia message, the animated ⊜ is displayed. When the message has been received, ☑ and the text *Multimedia message received* are shown.

1. To read the message, select **Play**. To view it later, select **Exit**.

   To read the message later, select **Menu** > *Messages* > *Inbox*. In the list of messages, ☒ indicates an unread message. Select the message that you want to view.

2. To view the whole message if the received message contains a presentation, a sound clip, or view a video clip, select **Play**.

3. To zoom in on an image, select **Zoom**. To view a business card or calendar note or to open a theme object, select **Open**.

4. To reply to the message, select **Options** > *Reply* > *Text*, *Multimedia*, or *Audio message*. Enter the reply message, and select **Send**. You can send the reply message only to the person who sent you the original message.

   Select **Options** to access available options.

■ Memory full

When you have received a new text message and the message memory is full, ✉ blinks and *Text msgs. memory full. Delete msgs.* is shown. Select **No**, and delete some messages from a folder. To discard the waiting message, select **Exit** > **Yes**.

When you have a new multimedia message waiting and the memory for the messages is full, ✉ blinks and *Multimedia memory full. View waiting msg.* is shown. To view the waiting message, select **Show**. Before you can save the waiting message, delete old messages to free memory space. To save the message, select **Save**.

To discard the waiting message, select **Exit** > **Yes**. If you select **No**, you can view the message.

■ Folders

The phone saves received text and multimedia messages in the *Inbox* folder.

Multimedia messages that have not yet been sent are moved to the *Outbox* folder.

To save sent messages to the *Sent* folder, select **Menu** > *Messages* > *Message settings* > *Text messages* or *Multimedia* > *Save sent messages* > *Yes*.

To save the text message that you are writing and wish to send later in the *Saved items* folder, select *Options* > *Save message* > *Saved text msgs.*. For multimedia messages, select the option *Save message*. ⊠ indicates unsent messages.

To organize your text messages, move some of them to *My folders* or add new folders for your messages. Select **Menu** > *Messages* > *Saved items* > *Text messages* > *My folders*.

To add a folder, select **Options** > *Add folder*. If you have not saved any folders, select **Add**.

To delete or rename a folder, scroll to the desired folder, and select **Options** > *Rename folder* or *Delete folder*.

■ Mobile Email

Mobile Email provides access to certain common e-mail services. If you have an e-mail account with one of the supported e-mail services, then you can use this application to access your e-mail account. With this application you can view your inbox, compose and send e-mail, receive e-mail, receive notification of new e-mail, and delete e-mail. This e-mail application is different from the SMS and MMS e-mail function.

If you do not have an e-mail account already, visit the Web site of one of the e-mail service providers and register for an e-mail account. If you have questions regarding the cost of Mobile Email service, contact your wireless service provider.

Start Mobile Email

1. Select **Menu** > *Messages* > *Mobile Email*.

2. Highlight and select the provider with which you have an e-mail account. Alternatively, you can select **Options** > *Add account* and the appropriate provider from the list.

3. Read and accept the terms of use, if you are presented with any.

4. Enter your user id and password. Note that the password is case sensitive.

5. If you wish to have your login information remembered, highlight the checkbox option, and select **Mark**.

6. Select **Options** > *Save*.

After the account is successfully validated, it appears on the list.

If you select to have your login information remembered, when you next select that account, the first page of your e-mail inbox view will automatically be loaded. If the login information has not been remembered, you must login to start using your e-mail account.

View the inbox and other folders

The inbox view loads the first page of the inbox by default. To go to the next page of the inbox, select **Options** > *Next* (the last item on the page).

To navigate from the inbox to another folder, scroll right or left. This switches the tab view from the current folder to the next folder. Scroll to the desired folder. Stop at the desired folder and the first page of that folder loads automatically. When folder content is loaded, it will not be updated again until you select **Options** > *Fetch New Mail*.

To view an e-mail, select the e-mail. When you highlight a particular e-mail, you see an expanded view with more details about the e-mail.

Write and send

1. To start writing an e-mail from the inbox view, select **Options** > *Compose*.
2. Enter the recipient's e-mail address, a subject, and the e-mail message. To select from a list of recent e-mail addresses, select **Options** > *Insert Address*.
3. Select **Send** to send the e-mail.

Reply and forward

1. When viewing an e-mail, select **Options** > *Reply*, *Reply to all*, or *Forward*. The e-mail view loads with the appropriate fields completed.
2. Enter in the remaining information.
3. Select **Send** to send the e-mail.

Delete

To delete an e-mail from the inbox view, select **Options** > *Delete*. To mark multiple e-mails to be deleted, select **Options** > *Mark for deletion*. To delete marked e-mail, select **Options** > *Delete marked*.

To delete an e-mail you are viewing, select **Delete**.

Preferences

From the inbox view, select **Options** > *Preferences* to set the following preferences:

Folder Display — to view e-mails in the inbox view by their From Address or their Subject.

Delete Confirmation — to be prompted with a delete confirmation or not.

Message AutoExpand — to automatically expand the e-mail message in the inbox view when it is highlighted.

Highlight and select your desired preferences. To apply your preference changes, select **Options** > *Save*. These preferences will be applied to all of your Mobile Email accounts.

Notification

To set e-mail notifications on or off from the inbox view, select **Options** > *Email Notification*. If e-mail notifications are enabled, you get notifications of new e-mails. This setting only applies to the current e-mail account, and does not affect the notification settings of other e-mail accounts in Mobile Email.

■ Voice mail

The voice mailbox is a network service, and you may need to subscribe to it. For details, contact your service provider.

To call your voice mailbox, select **Menu** > *Messages* > *Voice mail* > *Listen to voice mails*. To enter, find, or edit your voice mailbox number, select *Voice mailbox number*.

If supported by the network, $\square\square$ indicates that there are new voice messages. Select **Listen** to call your voice mailbox number.

■ Info messages

With *Info messages* (network service), you can receive messages on various topics from your service provider. To check availability, topics, and the relevant topic numbers, contact your service provider.

■ Service commands

Select **Menu** > *Messages* > *Service commands*. Write and send service requests (also known as USSD commands) to your service provider, such as activation commands for network services.

■ Delete messages

To delete all messages from a folder, select **Menu** > *Messages* > *Delete messages* and the folder from which you want to delete the messages. Select *Yes*, and if the folder contains unread messages, select *Yes* again.

■ Message settings

Text

The message settings affect the sending, receiving, and viewing of messages.

Select **Menu** > *Messages* > *Message settings* > *Text messages* and from the following options:

Sending profile — If more than one message profile set is supported by your SmartChip, select the set you want to change and one of the available options.

Save sent messages > *Yes* — Set the phone to save the sent text messages in the *Sent* folder.

Automatic resending > *On* — The phone automatically attempts to resend a text message, if sending has failed.

Multimedia

The message settings affect the sending, receiving, and viewing of multimedia messages.

Select **Menu** > *Messages* > *Message settings* > *Multimedia* and from the following options:

Save sent messages > *Yes* — to set the phone to save sent multimedia messages in the *Sent* folder

Delivery reports — to ask the network to send delivery reports about your messages (network service)

Default slide timing — to define the default time between slides in multimedia messages

Incoming multimedia messages > *Retrieve*, *Retrieve manually*, or *Reject* — to allow the reception of multimedia messages automatically, manually after being prompted, or to decline the reception

Configuration settings > *Configuration* — Only the configurations that support multimedia messaging are shown. Select a service provider, *Default*, or *Cingular* for multimedia messaging. Select *Account* and a multimedia messaging service account contained in the active configuration settings.

Allow advertisements — to receive or decline advertisements.

E-mail messages

Includes options for changing the e-mail settings. Check the availability of the options from your service provider.

Other settings

To select other settings for messages, select **Menu** > *Messages* > *Message settings* > *Other settings*. To change the font size for reading and writing messages, select *Font size*. To replace character-based smileys with graphical smileys, select *Graphical smileys* > *Yes*.

■ Message counter

Select **Menu** > *Messages* > *Message counter* for approximate information on your recent communications.

8. Games & Apps

■ Games
Your phone software includes some games.

Launch a game
Select **Menu** > *Games & Apps*. Scroll to the desired game, and select **Open**.

For options related to a game, see "Other application options," p. 41.

Game downloads
Select **Menu** > *Games & Apps* > **Options** > *Downloads* > *Game downloads*. The list of available bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *MEdia Net* menu. See "Bookmarks," p. 47.

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

■ Collection
Your phone software includes some Java applications specially designed for this Nokia phone.

Launch an application
Select **Menu** > *Games & Apps*. Scroll to an application, and select **Open**.

Other application options
Delete — to delete the application or application set from the phone

Move — to move an application or game to an other folder

Details — to view additional information about the application

Download an application

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it.

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

You can download new Java applications in different ways.

Select **Menu** > *Games & Apps* > **Options** > *Downloads* > *App. downloads*. The list of available bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *MEdia Net* menu. Select the appropriate bookmark to connect to the desired page. For the availability of different services, pricing, and fees, contact your service provider.

Select **Menu** > *MEdia Net* > *Downloads*. Download an appropriate application or game. See "Download files," p. 48.

Use the game download function. See "Game downloads," p. 41.

Use the Nokia Application Installer in PC Suite to download the applications to your phone.

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.

9. AT&T Mall

AT&T Mall lets you access services provided by AT&T. This service can be updated using a service message (see "Service inbox," p. 48).

For more information, and to subscribe to this service, please contact AT&T.

10. MEdia Net

You can access various mobile internet services with your phone browser. Check the availability of these services, pricing, fees, and instructions with your service provider.

➡ **Important:** Use only services that you trust and that offer adequate security and protection against harmful software.

With the phone browser you can view the services that use wireless markup language (WML) or extensible hypertext markup language (XHTML) on their pages. Appearance may vary due to screen size. You may not be able to view all details of the internet pages.

■ Set up browsing

You may receive the configuration settings required for browsing as a configuration message from the service provider that offers the service that you want to use. See "Configuration settings service," p. 12. You can also enter all the configuration settings manually. See "Configuration," p. 72.

■ Connect to a service

Verify that the correct configuration settings of the service that you want to use are activated.

1. To select the settings for connecting to the service, select **Menu** > *MEdia Net* > *Settings* > *Configuration settings*.

2. Select *Configuration*. Only the configurations that support browsing service are shown. Select a service provider, *Default*, or *Cingular* for browsing. See "Set up browsing," p. 44.

Select *Account* and a browsing service account contained in the active configuration settings.

Select *Display terminal window* > *Yes* to perform manual user authentication for intranet connections.

Make a connection to the service in one of the following ways:

- Select **Menu** > *MEdia Net* > *MEdia Net Home*; or in the standby mode, press and hold **0**.
- To select a bookmark of the service, select **Menu** > *MEdia Net* > *Bookmarks*.
- To select the last URL, select **Menu** > *MEdia Net* > *Last web address*.
- To enter the address of the service, select **Menu** > *MEdia Net* > *Go to*, enter the address of the service, and select **OK**.

■ Browse pages

After you make a connection to the service, you can start browsing its pages. The function of the phone keys may vary in different services. Follow the text guides on the phone display. For more information, contact your service provider.

If packet data is selected as the data bearer, 🔲 is shown on the top left of the display during browsing. If you receive a call or a text message, or make a call during a packet data connection, 🔀 is shown on the top right of the display to indicate that the packet data connection is suspended (on hold). After a call the phone tries to reconnect the packet data connection.

Browse with phone keys

Use the scroll keys to browse through the page.

To select a highlighted item, press the call key, or select **Select**.

To enter letters and numbers, press the keys **0** to **9**. To enter special characters, press *****.

Direct calling

The browser supports functions that you can access while browsing. You can make a phone call, send touch tones while a voice call is in progress, and save a name and a phone number from a page.

■ Appearance settings

While browsing, select **Options** > *Other options* > *Appear. settings*; or in the standby mode, select **Menu** > *MEdia Net* > *Settings* > *Appearance settings* and from the following options:

Text wrapping > *On* — to set the text to continue on the next line on the display. If you select *Off*, the text is abbreviated.

Font size > *Extra small*, *Small*, or *Medium* — to set the font size.

Show images > *No* — to hide pictures on the page. This can speed up the browsing of pages that contain a lot of pictures.

Alerts > *Alert for unsecure connection* > *Yes* — to set the phone to alert when an encrypted connection changes to unencrypted during browsing.

Alerts > *Alert for unsecure items* > *Yes* — to set the phone to alert when an encrypted page contains an unsecure item. These alerts do not guarantee a secure connection. For more information, see "Browser security," p. 49.

Character encoding > *Content encoding* — to select the encoding for the browser page content.

Character encoding > *Unicode (UTF-8) web addresses* > *On* — to set the phone to send a URL as a UTF-8 encoding. You may need this setting when you access a Web page created in foreign language.

Screen size > *Full* or *Small* — to set the screen size.

■ Cookies

A cookie is data that a site saves in the cache memory of your phone. Cookies are saved until you clear the cache memory. See "Cache memory," p. 49.

While browsing, select **Options** > *Other options* > *Security* > *Cookie settings*; or in the standby mode, select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *Cookies*. To allow or prevent the phone from receiving cookies, select *Allow* or *Reject*.

■ Scripts over secure connection

You can select whether to allow the running of scripts from a secure page. The phone supports WML scripts.

1. While browsing, select **Options** > *Other options* > *Security* > *Script settings*; or in the standby mode, select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *Scripts over secure connection*.

2. To allow the scripts, select *Allow*.

■ Bookmarks

You can save page addresses as bookmarks in the phone memory.

1. While browsing, select **Options** > *Bookmarks*; or in the standby mode, select **Menu** > *MEdia Net* > *Bookmarks*.

2. Scroll to a bookmark and select it, or press the call key to make a connection to the page associated with the bookmark.

3. Select **Options** to view, edit, delete, or send the bookmark; create a new bookmark; or save the bookmark to a folder.

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.

Receive bookmarks

When you receive a bookmark, *1 bookmark received* is displayed. To save the bookmark, select **Show**. To discard the bookmark directly after you have received the bookmark, select **Exit**.

■ Download files

To download more tones, images, games, or applications to your phone (network service), select **Menu** > *MEdia Net* > *Downloads* and from the available download options.

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

To save all downloaded files automatically in the appropriate folder in **Menu** > *My Stuff* or in *Games & Apps*, select **Menu** > *MEdia Net* > *Settings* > *Downloading settings* > *Automatic saving* > *On.*

■ Service inbox

The phone is able to receive service messages (pushed messages) sent by your service provider (network service). Service messages are notifications (for example, news headlines) and they may contain a text message or an address of a service.

To access the *Service inbox* in the standby mode, when you have received a service message, select **Show**. If you select **Exit**, the message is moved to the *Service inbox*. To access the *Service inbox* later, select **Menu** > *MEdia Net* > *Service inbox.*

To access the *Service inbox* while browsing, select **Options** > *Other options* > *Service inbox*. Scroll to the message you want, and to activate the browser and download the marked content, select **Retrieve**. To display detailed information on the service notification or to delete the message, select **Options** > *Details* or *Delete.*

Service inbox settings

Select **Menu** > *MEdia Net* > *Settings* > *Service inbox settings.*

To set whether you want to receive service message, select *Service messages* > *On* or *Off.*

To set the phone to receive service messages only from content authors approved by the service provider, select *Message filter* > *On.* To view the list of the approved content authors, select *Trusted channels.*

To set the phone to automatically activate the browser from the standby mode when the phone has received a service message, select *Automatic connection* > *On.* If you select *Off*, the phone activates the browser only after you select *Retrieve* when the phone has received a service message.

■ Cache memory

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

To empty the cache, while browsing, select **Options** > *Other options* > *Clear the cache*; in the standby mode, select **Menu** > *MEdia Net* > *Clear the cache.*

■ Browser security

Security features may be required for some services, such as online banking or shopping. For such connections you need security certificates and possibly a security module, which may be available on your SmartChip. For more information, contact your service provider.

Security module

The security module improves security services for applications requiring a browser connection, and allows you to use a digital signature. The security module may contain certificates as well as private and public keys. The certificates are saved in the security module by the service provider.

Select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *Security module settings* and from the following options:

Security module details — to show the security module title, status, manufacturer, and serial number

Module PIN request — to set the phone to ask for the module PIN when using services provided by the security module. Enter the code, and select *On*. To disable the module PIN request, select *Off*.

Change module PIN — to change the module PIN, if allowed by the security module. Enter the current module PIN code, then enter the new code twice.

Change signing PIN — to change the signing PIN code for the digital signature. Select the signing PIN you want to change. Enter the current PIN code, then the new code twice.

See also "Access codes," p. 11.

Certificates

Important: Note that even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your device are correct.

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

There are three kinds of certificates: server certificates, authority certificates, and user certificates. You may receive these certificates from your service provider. Authority certificates and user certificates may also be saved in the security module by the service provider.

To view the list of the authority or user certificates downloaded into your phone, select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *Authority certificates* or *User certificates*.

The security indicator is displayed during a connection, if the data transmission between the phone and the content 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.

Digital signature

You can make digital signatures with your phone if your SmartChip has a security module. Using the digital signature can be the same as signing your name to a paper bill, contract, or other document.

To make a digital signature, select a link on a page (for example, the title of the book you want to buy and its price). The text to sign, which may include the amount and date, is shown.

Check that the header text is *Read* and that the digital signature icon 🔏✍ is shown.

If the digital signature icon does not appear, there is a security breach. You should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first, and select **Sign**.

The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing.

Select the user certificate you want to use. Enter the signing PIN (see "Access codes," p. 11), and select **OK**. The digital signature icon disappears, and the service may display a confirmation of your purchase.

11. Instant messaging (IM)

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

Before you can use IM, you must subscribe to the service. To check the availability and costs and to subscribe to the service, contact your wireless service provider and the IM service provider from whom you receive your unique ID, password, and settings.

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

■ Register with an IM service

Before you can use IM, you must register with an IM service to obtain a user name and password. You can obtain a user name and password by registering over the internet (using your computer) with the IM service provider you have selected. During the registration process, you will have the opportunity to create the user name and password of your choice. For more information about signing up for IM services, contact your wireless service provider or an IM service provider.

■ Icons and menu items

Each IM service provider has its own unique interface, so the IM menu items, menu display text, and icons on your phone may appear differently for each IM service. If you have questions about the differences in the various IM service providers' menu text and icons, contact your wireless service provider for more information.

■ IM menus

Offline menu

When you select **I M** from your phone menu, a list of available IM services is displayed. Select the desired IM service to access the offline menu options: *Login*, *Saved conversations*, and *Settings*. Depending on the IM service provider you are using, these may not be the exact menu items displayed.

Online menu

After you log into IM, the following IM online options may appear: *Conversations*, *Online contacts*, and *Offline contacts.*. Depending on the IM service provider you are using, these may not be the exact menu items displayed.

■ Log in

1. Select **Menu** > *I M* > and the service you want to log into.
2. If not automatically displayed, enter your user name and password.
3. Select *Login*.

Depending on your IM service, you may not need to enter your user name and password manually every time you log in.

You can choose to save your password so you do not have to enter it each time you sign in, or you can choose to log in automatically and skip the log in menu when you select the IM application.

■ Begin an IM session

You can send instant messages to anyone if you have the person's user name and you use the same IM service. As the conversation progresses, the most recent message appears at the bottom of the menu, causing the previous messages to move up one level (some IM services may do this in the opposite direction).

If you want to chat with a person, you must first add that person to *IM contacts*. See "Contacts," p. 56.

To begin an IM session, do the following:

1. From the **I M** online menu, select a contact who is online.

2. A conversation menu is opened, and the contact's name is displayed at the top.

3. Enter a message. When you finish the message, select **OK**.

■ Receive and reply to messages

If you have an active chat open and receive an instant message from the contact or group member with whom you are chatting, the new message is displayed on the conversation menu in the sequence in which they are received. Select **Write** to reply.

If you receive an instant message when you have the IM application open, but do not have an active chat open, a menu appears showing you have a new instant message with the name of the sender. Select **Open** to open the conversation menu with that contact's new message displayed.

To reply, select **Write**, enter a message, and select **OK**.

If you receive an instant message when you are logged in to the IM service, but do not have the IM application open on your phone, a message is displayed telling you that a new IM message has been received. Select **Start** to open the IM application, and view the new message.

■ Return to chat session

From the **I M** online menu, select *Conversations*. This list displays all IM conversations and group chats in which you are currently participating. To view a conversation or continue chatting, select a group name or contact name.

■ Contacts

You can add the names of contacts with whom you interact frequently by IM to the contacts list.

Add a new contact

To add a contact during an IM session, select **Menu** > *Add contact* > **OK**. Enter a nickname and select **OK**.

To add a new contact from the **I M** online menu, select **Menu** > *Add contact*. Enter the contact's user name for the IM service, and select **OK**. Enter a nickname for the contact, and select **OK**.

Remove a contact

From the **I M** online menu, select *IM contacts* and the contact you wish to remove, and select **Menu** > *Remove contact* > **OK**.

■ Chat session options

You can save, view, rename, or delete a chat session.

To save a chat session, while you have the conversation open, select **Options** > *Save*, edit the name if desired, and select **OK**.

To view a saved chat session, from the **I M** online menu, select **Options** > *Saved conversations*. Scroll to the desired conversation name, and select **Open**.

To rename a saved chat session, from the **I M** online menu, select **Options** > *Saved conversations*. Scroll to the desired conversation name, and select **Options** > *Rename*. Rename the conversation, and select **OK**.

To delete a saved chat session, from the **I M** online menu, select **Options** > *Saved conversations*. Scroll to the desired conversation name, and select **Options** > *Delete* > **OK**.

■ Set your availability

You can determine if other users can tell whether you are available or not. From the **I M** online menu, highlight your name at the top of the menu, and select **Options** > *Available*, *Away*, or *Invisible*.

■ Log off service

Exit IM

From the **I M** online menu, you can exit the IM application, but still be connected to the IM service. Select **Back** until the **I M** online menu appears; then select **Exit**. If you open **I M** again, you do not need to log in again.

You can receive instant messages and chat invitations from your contacts when using your phone for other purposes, such as playing a game. If you are connected to your IM service, but you have not used your IM application for some time, you may be automatically disconnected from the IM service. The next time you open the IM application, you must log in again.

Log out of IM

To disconnect from the IM service, you must log out from the online menu.

You are taken to the IM service provider list, where you can exit the IM application or select an IM service and log in again.

From the **I M** online menu, select **Sign Off** > **OK**.

12. My Stuff

In this menu you can manage graphics, images, recordings, video clips, themes, and tones. These files are arranged in folders.

Your phone supports an activation key system to protect acquired content. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

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

To see the list of folders, select **Menu** > *My Stuff*.

To see the available options of a folder, select a folder > **Options**.

To view the list of files in a folder, select a folder > **Open**.

To see the available options of a file, select a file > **Options**.

13. Address Book

You can save names and phone numbers (*Address Book*) in the phone memory and in the SmartChip memory. See "Settings," p. 61.

The phone memory may save contacts with numbers and text items. You can also save an image for a certain number of names.

Names and numbers saved in the SmartChip memory, are indicated by ▣ .

■ Find a contact

Select **Menu** > *Address Book* > *Names* > **Options** > *Find*. Scroll through the list of contacts or enter the first letter of the name you want to find.

■ Save names and phone numbers

Names and numbers are saved in the used memory. Select **Menu** > *Address Book* > *Names* > **Options** > *Add new contact*. Enter the name and the phone number.

■ Save numbers, items, or an image

In the phone memory for contacts, you can save different types of phone numbers and short text items per name.

The first number you save is automatically set as the default number. It is indicated with a frame around the number type indicator (for example, ▣). When you select a name (for example, to make a call), the default number is used unless you select another number.

1. Make sure that the memory in use is either *Phone* or *Phone and SChip*. See "Settings," p. 61.

2. Scroll to the name to which you want to add a new number or text item, and select **Details** > **Options** > *Add detail*.

3. To add a number, select *Number* and one of the number types.

   To add another detail, select a text type or an image from **Menu** > *My Stuff*.

   To change the number type, scroll to the desired number, and select **Options** > *Change type*. To set the selected number as the default number, select *Set as default*.

4. Enter the number or text item. To save it, select **OK**.

5. To return to the standby mode, select **Back** > *Exit*.

■ Copy contacts

You can copy names and phone numbers from the phone contact memory to the SmartChip memory, or vice versa. The SmartChip memory can save names with one phone number attached to them.

Find the contact you want to copy, and select **Options** > *Copy number*.

■ Edit contact details

1. Find the contact you want to edit, select **Details**, and scroll to the desired name, number, text item, or image.

2. To edit a name, number, or text item, or to change an image, select **Options** > *Edit name*, *Edit number*, *Edit detail*, or *Change image*.

   You cannot edit an ID when it is on the *IM contacts* or *Subscribed names* list.

■ Delete contacts or contact details

To delete all the contacts and the details attached to them from the phone or SmartChip memory, select **Menu** > *Address Book* > *Delete all contacts* > *From phone mem.* or *From SmartChip*. Confirm with the security code.

To delete a contact, find the desired contact, and select **Options** > *Delete contact*.

To delete a number, text item, or an image attached to the contact, find the contact, and select **Details**. Scroll to the desired detail, and select **Options** > *Delete* > *Delete number*, *Delete detail*, or *Delete image*. Deleting an image from contacts does not delete it from **Menu** > *My Stuff*.

■ Business cards

You can send and receive a person's contact information from a compatible device that supports the vCard standard as a business card.

To send a business card, find the contact whose information you want to send, and select **Details** > **Options** > *Send bus. card* > *Via multimedia*, *Via text message*, *Via infrared*, or *Via Bluetooth*.

When you have received a business card, select **Show** > **Save** to save the business card in the phone memory. To discard the business card, select **Exit** > **Yes**.

■ Settings

Select **Menu** > *Address Book* > *Settings* and from the following options:

Memory in use — to select SmartChip or phone memory for your contacts

Address book view — to select how the names and numbers in contacts are displayed

Check memory — to view the free and used memory capacity

■ Groups

Select **Menu** > *Address Book* > *Groups* to arrange the names and phone numbers saved in the memory into caller groups with different ringing tones and group images.

■ Voice dialing

You can make a phone call by saying a voice tag that has been added to a phone number. Any spoken words, such as a name, can be a voice tag. The number of voice tags you can create is limited.

Before using voice tags, note that:

- Voice tags are not language-dependent. They are dependent on the speaker's voice.

- You must say the name exactly as you said it when you recorded it.

- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.

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

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

Add and manage voice tags

Save or copy the contacts to the phone memory for which you want to add a voice tag. You can also add voice tags to the names in the SmartChip, but if you replace your SmartChip with a new one, you must first delete the old voice tags before you can add new ones.

1. Find the contact to which you want to add a voice tag.

2. Select **Details**, scroll to the desired phone number, and select **Options** > *Add voice tag.*

3. Select **Start**, and say clearly the words you want to record as a voice tag. After recording, the phone plays the recorded tag.

🔊 appears behind the phone number with a voice tag in *Address Book.*

To check the voice tags, select **Menu** > *Address Book* > *Voice tags.* Scroll to the contact with the voice tag that you want, and select an option to listen to, delete, or change the recorded voice tag.

Make a call with a voice tag

If the phone has an application running that is sending or receiving data using a GPRS connection, you must end the application before voice dialing.

1. In the standby mode, press and hold the volume down key. A short tone is heard, and *Speak now* is displayed.

2. Say the voice tag clearly. The phone plays the recognized voice tag, and dials the phone number of the voice tag after 1.5 seconds.

If you are using a compatible headset with the headset key, press and hold the headset key to start the voice dialing.

■ Speed dialing

To assign a number to a speed dialing key, select **Menu** > *Address Book* > *Speed dial list*, and scroll to the speed dialing number that you want.

Select *Assign*, or if a number has already been assigned to the key, select **Options** > *Change*. Select **Find**, the name, and the number you want to assign. If the *Speed dialing* function is off, the phone asks whether you want to activate it. See also *Speed dialing* in "Call settings," p. 67.

To make a call using the speed dialing keys, see "Speed dialing," p. 23.

■ Service and my numbers

Select **Menu** > *Address Book* and one of the following options:

Service numbers — to call the service numbers of your service provider if the numbers are included on your SmartChip (network service)

My numbers — to view the phone numbers assigned to your SmartChip card. This is only shown if the numbers are included on your SmartChip card.

14. Settings

You can adjust various phone settings in this menu. To reset some of the menu settings, see "Restore settings," p. 74.

■ Profiles

Your phone has various setting groups, called profiles, for which you can customize the phone tones for different events and environments.

Select **Menu** > *Settings* > *Set profile*. Scroll to a profile, and select it.

- To activate the selected profile, select *Activate*.
- To customize the profile, select *Customize* and select the setting you want to change, then make the changes.
- To set the profile to be active until a certain time (up to 24 hours), select *Timed* and set the time you want the profile setting to end. When the time set for the profile expires, the previous profile (that was not timed) becomes active.

■ Themes

A theme contains many elements for personalizing your phone, such as wallpapers, screen savers, color schemes, and ringing tones.

Select **Menu** > *Settings* > *Set theme* and one of the following options:

Select theme — to set a theme in your phone. A list of folders in **Menu** > *My Stuff* opens. Open the *Themes* folder, and select a theme.

Themes — to open a list of links to download more themes. See "Download files," p. 48.

■ Tones

You can change the settings of the selected active profile.

Select **Menu** > *Settings* > *Tones*. Select and change the available tone options. You can find the same settings in the *Set profile* menu. See "Profiles," p. 64.

If you select the highest ringing tone level, the ringing tone reaches its highest level after a few seconds.

To set the phone to ring only for calls from phone numbers that belong to a selected caller group, select *Alert for*. Scroll to the caller group you want or *All calls*, and select **Mark**.

■ My shortcuts

With personal shortcuts, you get quick access to often used functions of the phone. To manage the shortcuts, select **Menu** > *Settings* > *My shortcuts* and from the following options:

Right selection key — to select a function from the list for the right selection key. See also "Standby mode," p. 19. This menu may not be shown, depending on your service provider.

Navigation key — to select shortcut functions for the scroll key. Scroll to the desired navigation key, select **Change** and a function from the list. To remove a shortcut function from the key, select *(empty)*. To reassign a function for the key, select **Assign**. This menu may not be shown, depending on your service provider.

Voice commands — to activate phone functions by saying a voice tag. Select a folder, scroll to a function to which you want to add a voice tag, and select **Add**. 𝕊 indicates a voice tag. To add a voice command, see "Add and manage voice tags," p. 62. To activate a voice command, see "Make a call with a voice tag," p. 63.

■ Main display

Select **Menu** > *Settings* > *Main display* and one of the following options:

Wallpaper — to add the background image to the main display in the standby mode. To select, activate, or deactivate the wallpaper, select *Select wallpaper* > *On* or *Off*. Select *Select slide set* and a folder in **Menu** > *My Stuff* to use the images in the folder as a slide set. To download more images for wallpaper, select *Graphics*.

Screen saver > *On* — to activate the screen saver for the main display. To set the time after which the screen saver is activated, select *Time-out*. To select a graphic for the screen saver, select *Image* and an image or a graphic from **Menu** > *My Stuff*. Select *Slide set* and a folder in **Menu** > *My Stuff* to use the images in the folder as a slide set. To download more images for the screen saver, select *Graphics*.

Power saver > *On* — to save battery power. A digital clock is displayed when no function of the phone is used for a certain time.

Color schemes — to change the color in some display components, for example, menu background color and signal and battery bar colors.

Idle state font color — to select the color for the texts on the display in the standby mode

Operator logo — to set your phone to display or hide the operator logo. The menu is dimmed, if you have not saved the operator logo. For more information on availability of an operator logo, contact your service provider.

■ Mini display

Select **Menu** > *Settings* > *Mini display*. You can change the available settings.

■ Time and date

Select **Menu** > *Settings* > *Set time/date* and from the following options:

Clock — to set the phone to show the clock in the standby mode, adjust the clock, and select the time zone and the time format

Date — to set the phone to show the date in the standby mode, set the date, and select the date format and date separator

Auto-update of date & time (network service) — to set the phone to automatically update the time and date according to the current time zone.

■ Call settings

Select **Menu** > *Settings* > *Call settings* and one of the following options:

Automatic volume control — to set the phone to automatically adjust the speaker volume according to the background noise.

Call forwarding (network service) — to forward your incoming calls. You may not be able to forward your call, if some call restriction functions are active. See *Call restrictions* in "Security," p. 74.

Anykey answer > *On* — to answer an incoming call. Briefly press any key, except the end key and the left and right selection keys.

Answer when fold is opened > *On* — to answer an incoming call. Open the phone.

Automatic redial > *On* — to set your phone to make a maximum of 10 attempts to connect the call after an unsuccessful call attempt.

Speed dialing > *On* — to activate speed dialing. To set up speed dialing, see "Speed dialing," p. 63. To dial, press and hold the corresponding number key.

Call waiting > *Activate* — to set the network to notify you of an incoming call while you have a call in progress (network service). See "Call waiting," p. 24.

Summary after call > *On* — to briefly display the approximate duration and cost (network service) of the call after each call.

Send my caller ID (network service) > *Set by network, Yes*, or *No*.

■ Phone settings

Select **Menu** > *Settings* > *Phone settings* and one of the following options:

Phone language — to set the display and writing language.

Check memory — to view the free memory and the used memory in **Menu** > *My Stuff*, *Messages*, and *Applications*.

Automatic keyguard — to set the keys to lock automatically after a preset time delay when the phone is in the standby mode and no function of the phone has been used. Select *On*, and you can set the time from 5 seconds to 60 minutes.

Security keyguard — to set the phone to ask for the security code when you unlock the keyguard. Enter the security code, and select *On*. When the keyguard is on, calls still may be possible to the official emergency number programmed into your device.

Welcome note — to enter a welcome note to be shown briefly when the phone is switched on.

Help text activation — to select whether the phone shows help texts.

■ Connectivity

To connect your phone to compatible devices, use an infrared or Bluetooth wireless connection. You can also define the settings for packet data dial-up connections.

Bluetooth wireless technology

This device is compliant with Bluetooth Specification 1.2 supporting the following profiles: hands-free, headset, generic access, object push, file transfer, dial-up networking, SmartChip access, serial port, and generic object exchange. 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 technology allows you to connect the phone to a compatible Bluetooth device within 33 feet (10 meters). Because devices using Bluetooth technology communicate using radio waves, your phone and other devices do not need to be in line-of-sight, although the connection can be subject to interference from obstructions, such as walls or from other electronic devices.

Set up a Bluetooth connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth* and one of the following options:

Bluetooth > *On* or *Off* — to activate or deactivate the Bluetooth function. 🛜 indicates an active Bluetooth connection.

Search for audio enhancements — to find compatible Bluetooth audio devices. Select the device that you want to connect to the phone.

Paired devices — to find any Bluetooth device in range. Select **New** to list any Bluetooth device in range. Scroll to a device, and select **Pair**. Enter the Bluetooth passcode of the device to associate (pair) the device to your phone. You only must give this passcode when you connect to the device for the first time. Your phone connects to the device, and you can start data transfer.

Bluetooth wireless connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth*. To check which Bluetooth connections are currently active, select *Active device*. To view a list of Bluetooth devices that are currently paired with the phone, select *Paired devices*.

Select **Options** to access available options, depending on the status of the device and the Bluetooth connection.

Bluetooth settings

To define how your phone is shown to other Bluetooth devices, select **Menu** > *Settings* > *Connectivity* > *Bluetooth* > *Bluetooth settings* > *My phone's visibility* or *My phone's name*.

If you are concerned about security, turn off Bluetooth or set **My phone's visibility** to **Hidden**. Always accept only Bluetooth communication from others with whom you agree.

Infrared

You can set up the phone to send and receive data through its infrared (IR) port. To use an IR connection, the device with which you want to establish a connection must be IrDA compliant. You can send or receive data to or from a compatible phone or data device (for example, a computer) through the IR port of your phone.

Do not point the IR (infrared) beam at anyone's eyes or allow it to interfere with other IR devices. Infrared devices are Class 1 laser products.

When sending or receiving data, ensure that the IR ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices.

To activate the IR port of your phone to receive data using IR, select **Menu** > *Settings* > *Connectivity* > *Infrared*.

To deactivate the IR connection, select **Menu** > *Settings* > *Connectivity* > *Infrared*. When the phone displays *Deactivate infrared?*, select **Yes**.

If data transfer is not started within 2 minutes after the activation of the IR port, the connection is cancelled and must be started again.

IR connection indicator

When Þ∎∎ is shown continuously, the IR connection is activated, and your phone is ready to send or receive data through its IR port.

When Þ∎∎ blinks, your phone is trying to connect to the other device, or a connection has been lost.

Packet data (EGPRS)

Enhanced general packet radio service (EGPRS), packet data, is a network service which allows mobile phones to send and receive data over an internet protocol (IP)-based network. It enables wireless access to data networks such as the internet.

The applications that may use packet data are MMS, browsing sessions, e-mail, remote SyncML, Java application downloading, and the PC dial-up.

To define how to use the service, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data connection.*

Select *When needed* to set the packet data connection to be established when an application needs it. The connection will be closed when the application is terminated.

Select *Always online* to set the phone to automatically connect to a packet data network when it is switched on.

◻ indicates a packet data connection.

Packet data settings

To connect the phone, use an IR, a Bluetooth technology, or a data cable (CA-42) connection to a compatible PC. Use the phone as a modem to enable packet data connectivity from the PC.

To define the settings for connections from the PC, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data settings* > *Active access point*, activate the access point you want to use, and select *Edit active access point*. Select *Alias for access point*, and enter a nick name for the currently selected access point. Select *Packet data access point*, and enter the access point name (APN) to establish a connection to an EGPRS network.

You can also set the dial-up service settings (APN) on your PC using the Nokia Modem Options software. See "PC Suite," p. 88. If you have set the settings both on the PC and on your phone, the PC settings are used.

■ Enhancements

The enhancement setting menu is shown only if the phone is or has been connected to a compatible mobile enhancement.

Select **Menu** > *Settings* > *Enhancements*. You can select an enhancement menu if the corresponding enhancement is, or has been, connected to the phone. Depending on the enhancement, select from the following options:

Default profile — to select the profile that you want to be automatically activated when you connect to the selected enhancement

Automatic answer — to set the phone to answer an incoming call automatically after 5 seconds. If *Incoming call alert* is set to *Beep once* or *Off*, automatic answer is off.

Lights — to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a key press

Use TTY > *Yes* — to use the TTY/TDD settings instead of headset or loopset settings

■ Configuration

You can configure your phone with settings that are required for certain services to function correctly. The services are browser, multimedia messaging, remote internet server synchronization, presence, and e-mail application. Get the settings from your

SmartChip, from a service provider as a configuration message, or enter your personal settings manually. You can store configuration settings for up to 20 service providers in the phone and manage them within this menu.

To save the configuration settings received by a configuration message from a service provider, see "Configuration settings service," p. 12.

Select **Menu** > *Settings* > *Configuration* and from the following options:

Default configuration settings — to view the service providers saved in the phone. Scroll to a service provider, and select **Details** to view the applications that the configuration settings of this service provider support. To set the configuration settings of the service provider as default settings, select **Options** > *Set as default*. To delete configuration settings, select *Delete*.

Activate default in all applications — to activate the default configuration settings for supported applications

Preferred access point — to view the saved access points. Scroll to an access point, and select **Options** > *Details* to view the name of the service provider, data bearer, and packet data access point or GSM dial-up number.

Connect to service provider support — to download the configuration settings from your service provider

Personal configuration settings — to add new personal accounts for various services manually and to activate or delete them. To add a new personal account if you have not added any, select **Add new**; otherwise, select **Options** > *Add new*. Select the service type, and select and enter each of the required parameters. The parameters differ according to the selected service type. To delete or activate a personal account, scroll to it, and select **Options** > *Delete* or *Activate*.

■ Security

When security features that restrict calls are in use (such as call restriction, closed user group and fixed dialing) calls still may be possible to the official emergency number programmed into your device.

Select **Menu** > *Settings* > *Security* and one of the following options:

PIN code request — to set the phone to ask for your PIN or UPIN code every time the phone is switched on. Some SmartChips do not allow the code request to be turned off.

Fixed dialing — to restrict your outgoing calls to selected phone numbers if this function is supported by your SmartChip

Security level > *Phone* — the phone asks for the security code whenever a new SmartChip is inserted into the phone. Select *Memory*, and the phone asks for the security code when SmartChip memory is selected and you want to change the memory in use.

Access codes — to change the security code, PIN code, UPIN code, PIN2 code, and restriction password

Code in use — to select whether the PIN code or UPIN code should be active

Pin2 code request — to select whether PIN2 code is required when using a specific phone feature that is covered by the PIN2 code (depends on SmartChip)

■ Restore settings

To reset some of the menu settings to their original values, select **Menu** > *Settings* > *Restore settings*. Enter the security code. The names and phone numbers saved in *Address Book* are not deleted.

15. Applications

■ Alarm clock

You can set the phone to alarm at a desired time. Select **Menu** > *Applications* > *Alarm clock.*

To set the alarm, select *Alarm time*, and enter the alarm time. To change the alarm time when the alarm time is set, select *On*. To set the phone to alert you on selected days of the week, select *Repeat alarm.*

To select the alarm tone or set a radio channel as the alarm tone, select *Alarm tone.* If you select the radio as an alarm tone, connect the headset to the phone. The phone uses the last channel you listened to as the alarm, and the alarm plays through the loudspeaker. If you remove the headset or switch off the phone, the default alarm tone replaces the radio.

To set a snooze time-out, select *Snooze time-out.*

Stop the alarm

The phone sounds an alert tone, and flashes *Alarm!* and the current time on the display, even if the phone is switched off. To stop the alarm, select **Stop** or open the phone. If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for the selected snooze time-out, then resumes.

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.

■ Calendar

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

The current day is indicated by a frame. If there are any notes set for the day, the day is in bold type. To view the day notes, select **View**. To view a week, select **Options** > *Week view*. To delete all notes in the calendar, select the month or week view, and **Options** > *Delete all notes*.

Other options for the day view may be *Make a note*, *Delete*, *Edit*, *Move*, or *Repeat* a note; *Copy* a note to another day; *Send note* as a text message or multimedia message with IR, or Bluetooth technology to the calendar of another compatible phone. Select *Settings* to set the date and time settings. Select *Auto-delete notes* to set the phone to delete old notes automatically after a specified time.

Make a calendar note

Select **Menu** > *Applications* > *Calendar*. Scroll to the date you want, and select **Options** > *Make a note* and one of the following note types: ▦ *Meeting*, ☎ *Call*, ▥ *Birthday*, ✑ *Memo*, or ▤ *Reminder*.

A note alarm

The phone beeps and displays the note. With a call note ☎ on the display, to call the displayed number, press the call key. To stop the alarm and to view the note, select **View**. To stop the alarm for approximately 10 minutes, select **Snooze**. To stop the alarm without viewing the note, select **Exit**.

■ To-do list

To save notes for tasks that you must do, select **Menu** > *Applications* > *To-do list*.

To create a note if no note is added, select **Add note**; otherwise, select **Options** > *Add*. Write the note, and select the priority, the deadline, and the alarm type for the note. Then select **Save**.

To view a note, scroll to it, and select **View**. You can also select an option to delete the selected note and delete all the notes that you have marked as done.

You can sort the notes by priority or by deadline, send a note to another phone as a text message or multimedia message, using Bluetooth or IR, save a note as a calendar note, or access the calendar. While viewing a note, you can also select an option to edit the deadline or priority for the note or mark the note as done.

■ Notes

To use this application for writing and sending notes, select **Menu** > *Applications* > *Notes*.

To create a note if no note is added, select **Add note**; otherwise, select **Options** > *Make a note*. Write a note, and select *Save*.

Other options for notes include deleting and editing a note. While editing a note, you can also exit the text editor without saving the changes. You can send the note to compatible devices using a text message, a multimedia message, Bluetooth technology, or IR. If the note is too long to send as a text message, the phone asks you to delete the appropriate number of characters from your note.

■ Synchronization

Synchronization allows you to save your calendar and *Address Book* data on a remote internet server (network service) or on a compatible PC. If you want to save data on the remote internet server, to synchronize your phone, start the synchronization from your phone. To synchronize the data in the phone contacts, calendar, and notes to correspond with the data of your compatible PC, start the synchronization from the PC. The contact data in your SmartChip is not synchronized.

Answering an incoming call during synchronization ends the synchronization, and you must restart it.

Synchronize from your phone

Before synchronizing from your phone, you must do the following:

- Subscribe to a synchronization service. For details, contact your service provider.

- Retrieve the synchronization settings from your service provider.
  See "Synchronization settings," p. 78.

To start the synchronization from your phone, do the following:

1. Select the configuration settings you need for the synchronization.
   See "Synchronization settings," p. 78.

2. Select **Menu** > *Application* > *Sync* > *Server sync* > *Data to be synchronized.*

3. Mark the data to be synchronized.

4. Select **Menu** > *Applications* > *Sync* > *Server sync* > *Synchronize.*

The marked data of the active set is synchronized after confirmation. Synchronizing for the first time or after an interrupted synchronization may take up to 30 minutes to complete, if the contacts or calendar are full.

Synchronization settings

You may receive the configuration settings required for synchronization as a configuration message from the service provider. To manage the configuration settings, see "Configuration," p. 72.

1. Select **Menu** > *Application* > *Sync* > *Server sync* > *Sync settings* and from the following options:

   Configuration — Only the configurations that support the synchronization are shown. Select a service provider, *Default*, or *Cingular* for synchronization.

   Account — Select a synchronization service account contained in the active configuration settings.

2. Select *PC sync settings* to enter the settings for server alerted synchronization. Set the *User name* and *Password*.

The user name and password must be the same in the phone and in the PC.

Synchronize from a compatible PC

To synchronize *Address Book*, *Calendar*, and *Notes* from a compatible PC, use an IR, a Bluetooth technology, or data cable connection. You also need Nokia PC Suite software of your phone installed on the PC. Start the synchronization from the PC using Nokia PC Suite.

■ Calculator

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root, and converts currency values.

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

Select **Menu** > *Applications* > *Calculator*. When 0 is displayed on the screen, enter the first number in the calculation. Press **#** for a decimal point. Select **Options** > *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root*, or *Change sign*. Enter the second number. For a total, select **Equals**. Repeat this sequence as many times as it is necessary. To start a new calculation, first select and hold **Clear**.

To perform a currency conversion, select **Menu** > *Applications* > *Calculator*. To save the exchange rate, select **Options** > *Exchange rate*. Select either of the displayed options. Enter the exchange rate, press **#** for a decimal point, and select **OK**. The exchange rate remains in the memory until you replace it with another one. To perform the currency conversion, enter the amount to be converted, and select **Options** > *To home* or *To foreign*.

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

■ Stopwatch

To measure time, take intermediate times, or take lap times, use the stopwatch. During timing, the other functions of the phone can be used. To set the stopwatch timing in the background, press the end key.

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

Select **Menu** > *Applications* > *Stopwatch* and one of the following options:

Split timing — to take intermediate times. To start the time observation, select **Start**. Select **Split** every time that you want to take an intermediate time. To stop the time observation, select **Stop**. To save the measured time, select **Save**. To start the time observation again, select **Options** > *Start*. The new time is added to the previous time. To reset the time without saving it, select *Reset*. To set the stopwatch timing in the background, press the end key.

Lap timing — to take lap times. To set the stopwatch timing in the background, press the end key.

Continue — to view the timing that you have set in the background.

Show last time — to view the most recently measured time if the stopwatch is not reset.

View times or *Delete times* — to view or delete the saved times.

■ Countdown timer

Select **Menu** > *Applications* > *Countdown timer*. Enter the alarm time in hours, minutes, and seconds, and select **OK**. You can write your own note text that is displayed when the time expires.

To start the countdown timer, select **Start**. To change the countdown time, select *Change time*. To stop the timer, select *Stop timer*.

If the alarm time is reached when the phone is in the standby mode, the phone sounds a tone and flashes the note text, if it is set or *Countdown completed*. To stop the alarm, press any key. If no key is pressed, the alarm automatically stops within 30 seconds. To stop the alarm and to delete the note text, select **Exit**. To restart the countdown timer, select **Restart**.

16. Tools

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

■ Camera

You can take photos or record video clips with the built-in camera. The camera produces pictures in JPEG format and video clips in 3GP format.

When taking and using images or video clips, obey all laws and respect local customs as well as privacy and legitimate rights of others.

Your device supports an image capture resolution of 640 x 480 pixel. The image resolution in these materials may appear different.

Take a photo

Select **Menu** > *Tools* > *Camera*. To take a photo, select **Capture** or press the camera release key. The phone saves the photo in **Menu** > *My Stuff* > *Images*. To take another photo, select **Back**; to send the photo as a multimedia message, select **Send**. To view the options, select **Options**.

To take a self-portrait, close the fold and use the mini display as a view finder. Press the camera release key.

Record a video clip

Select **Menu** > *Tools* > *Camera*. To select the video mode, scroll left or right, or select **Options** > *Video*; select **Record**, or press the camera release key. To pause the recording, select **Pause**; to resume the recording, select **Continue**. To stop the recording, select **Stop**. The phone saves the recording in **Menu** > *My Stuff* > *Video clips*. To view the options, select **Options**.

■ Radio

The FM radio depends on an antenna other than the wireless devices antenna. A compatible headset or enhancement needs to be attached to the device for the FM radio to function properly.

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

Select **Menu** > *Tools* > *Radio*. To use the graphical keys ▲ , ▼ , ◄◄ , or ►► on the display, scroll left or right to the desired key, and select it.

To change the volume, press the volume keys.

Save radio channels

1. To start the channel search, select and hold ◄◄ or ►►. To change the radio frequency in 0.05 MHz steps, briefly press ◄◄ or ►►.

2. To save the channel to a memory location, 1 to 9, press and hold the corresponding number key. To save the channel in the memory location from 10 to 20, press briefly **1** or **2**, and press and hold the desired number key, **0** to **9**.

3. Enter the name of the channel, and select **OK**.

Listen to the radio

Select **Menu** > *Tools* > *Radio*. To scroll to the desired channel, select ▲ or ▼ , or press the headset key. To select a radio channel location, briefly press the corresponding number keys.

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

Turn off — to turn off the radio

Save channel — to save a new channel and enter the channels name

Channels — to select the list of saved channels. To delete or rename a channel, scroll to the desired channel, and select **Options** > *Delete channel* or *Rename.*

Mono output or *Stereo output* — to listen to the radio in monophonic sound or in stereo

Loudspeaker or *Headset* — to listen to the radio using the loudspeaker or headset. Keep the headset connected to the phone. The lead of the headset functions as the radio antenna.

Set frequency — to enter the frequency of the desired radio channel

You can normally make a call or answer an incoming call while listening to the radio. During the call, the volume of the radio is muted.

When an application using a packet data or HSCSD connection is sending or receiving data, it may interfere with the radio.

■ Recorder

You can record pieces of speech, sound, or an active call for 5 minutes.

The recorder cannot be used when a data call or packet data connection is active.

Record sound

1. Select **Menu** > *Tools* > *Recorder.*

   To use the graphical keys, ● , ❚❚ , or ■ on the display, scroll left or right to the desired key, and select it.

2. To start the recording, select ● . To start the recording during a call, select **Options** > *Record.* While recording a call, all parties to the call hear a faint beeping sound about every 2 seconds. When recording a call, hold the phone in the normal position near your ear.

3. To end the recording, select ■ . The recording is saved in **Menu** > *My Stuff* > *Audio.*

4. To listen to recordings, select **Options** > *Audio list.*

List of recordings

Select **Menu** > *Tools* > *Recorder* > **Options** > *Audio list*. The list of folders in **Menu** > *My Stuff* is shown. Open *Audio* to see the list with recordings. Select **Options** to select options for files in **Menu** > *My Stuff*. See "My Stuff," p. 58.

17. Audio messages

With this menu, use the multimedia message service to create and send a voice message in a convenient way. Multimedia messaging service must be activated before this service can be used.

■ Create and send an audio message

To create and send an audio message:

1. Select **Menu** > *Messages* > *New message* > *Audio message*. The recorder opens. To use the recorder, see "Recorder," p. 84.

2. When the message is ready to send, select **Options** > *Play* to check the message before sending, *Replace sound clip* to repeat the recording, *Save message* to save the message in the *Saved items* folder, *Save sound clip* to save the recording in **Menu** > *My Stuff*, *Edit subject* to insert a subject to the message, *Message details* to view the message details, or *Loudspeaker* or *Handset*.

3. To send the message, select **Send** > *Recently used*, *To phone number*, *To e-mail address*, or *To many*. Depending on your service provider, more options may be available.

4. Select the contact from the list, enter the recipient's phone number or e-mail address, or find it in *Address Book*. Select **OK**, and the message is moved to the *Outbox* folder for sending.

■ Receive an audio message

When your phone receives an audio message, *1 audio message received* is shown. Select **Play** to open the message or **Show** > **Play** if there are more than one message received. Select **Options** to see the options available. To listen to the message later, select **Exit**.

To save the message, select **Options** > *Save sound clip* and the folder in which you want to save the message.

18. PC connectivity

You can send and receive e-mail, and access the internet when your phone is connected to a compatible PC through an IR or a data cable (CA-42) connection. You can use your phone with a variety of PC connectivity and data communications applications.

■ PC Suite

With PC Suite you can synchronize *Address Book*, calendar and to-do notes, and notes between your phone, and the compatible PC, or a remote internet server (network service).

You can find more information about PC suite, for example, downloadable files, in the support area on the Nokia Web site at **www.nokiausa.com/support**.

■ Packet data, HSCSD, and CSD

With your phone you can use the packet data, high-speed circuit switched data (HSCSD), and circuit switched data (CSD, *GSM data*).

For availability and subscription to data services, contact your service provider.

The use of HSCSD services consumes the phone battery faster than normal voice or data calls. You may need to connect the phone to a charger for the duration of data transfer.

See "Packet data (EGPRS)," p. 71.

■ Data communication applications

For information on using a data communication application, refer to the documentation provided with it. Making or answering phone calls during a computer connection is not recommended, as it might disrupt the operation. For better performance during data calls, place the phone on a stationary surface with the keypad facing down. Do not move the phone by holding it in your hand during a data call.

19. Enhancements

To enhance phone functionality, a range of enhancements is available for you. Select any of these items to help accommodate your specific communication needs.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from an AC-3, AC-4, and DC-4 charger, and from AC-1, ACP-7, ACP-12, and LCH-12 charger when used with the charger adapter CA-44. This device uses BL-4C batteries.

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.

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.

20. 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, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger and then disconnect and reconnect it to start the charging.

Unplug the charger from the electrical plug and the device when not in use. Do not leave fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 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 as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

■ Nokia battery authentication guidelines

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

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

Authenticate hologram

1. When looking at the hologram on the label,you should see the Nokia connecting handssymbol from one angle and the Nokia OriginalEnhancements logo when looking from another angle.

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

3. Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
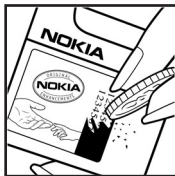
4. Confirm that the 20-digit code is valid by following the instructions at **www.nokia.com/batterycheck**.

What if your battery is not authentic?

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

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

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.

- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.

- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.

- Do not attempt to open the device other than as instructed in this guide.

- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

- Do not paint the device. Paint can clog the moving parts and prevent proper operation.

- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).

- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

Additional safety information

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

■ 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 centimeters) away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.In order to transmit data files or messages, this device requires a good quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

■ Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Pacemakers

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

- Always keep the device more than 6 inches (15.3 centimeters) from their pacemaker when the device is turned on;

- Not carry the device in a breast pocket; and

- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.

- Turn the device off immediately if there is any reason to suspect that interference is taking place.

- Read and follow the directions from the manufacturer of their pacemaker.

If you have any questions about using your device with a pacemaker, consult your health care provider.

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, and air bag systems. For more information, check with the manufacturer, or its representative, of your vehicle or any equipment that has been added.

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

■ Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust, or metal powders.

■ Emergency calls

Important: Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1. If the device is not on, switch it on. Check for adequate signal strength.

   Some networks may require that a valid SmartChip is properly inserted in the device.

2. Press the end key as many times as needed to clear the display and ready the device for calls.

3. Enter the official emergency number for your present location. Emergency numbers vary by location.

4. Press the call key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in the offline or flight profile mode, you may need to change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

■ Certification information (SAR)

This mobile device meets guidelines for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of device type RM-162 at the ear is 0.74 W/kg.

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at **www.nokiausa.com**.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear for device type RM-162 is 0.89 W/kg and when properly worn on the body is 0.89 W/kg. Information about this device model can be found at **http://www.fcc.gov/oet/fccid** by searching the equipment authorization system using FCC ID: PPIRM-162X.

■ Technical Information

Feature	Specification
Weight	3.42 ounces (97 grams)
Size	Volume: 4.7 cubic inches (77 ccm) Length: 3.35 in. (85 mm) Width: 1.77 in. (45 mm) Thickness: 0.94 in. (24 mm)
Frequency range	RM-162 Nokia 6102i GSM 850: 824–849 MHz (TX) 869–894 MHz (RX) GSM 1800: 1710–1785 MHz (TX) 1805–1865 MHz (RX) GSM 1900: 1850–1910 MHz (TX) 1930–1990 MHz (RX)
Transmitter output power	Up to 2 W
Battery voltage	3.7 V dc BL-4C, 820 mAh
Operating times	Standby time: up to 350 hours Talk time: up to 4 hours
Operating temperature	59°F to + 77°F (15°C to + 25°C)

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