Address book

Press ⟨⟩, and select **Addr. Book**. **Addr. Book** holds details of your contacts, such as phone numbers and e-mail addresses. Each contact's details are stored on a contact card, which can include a personal ringing tone (see "Add ringing tones for addresses," p. 70) or a thumbnail image for the contact. You can also create contact groups, which allow you to send text messages or e-mail to many recipients at the same time. See "Contact groups," p. 70. You can add received address information (business cards) to **Addr. Book**. See "Data and settings," p. 61. Address information can only be sent to or received from compatible devices.

Contact cards

To add details of a new contact in **Addr. Book**, select **Options** > **New contact**.

To edit a contact card in **Addr. Book**, select it and **Options** > **Edit**. You can search for the desired contact by entering the first letters of the name to the search field. A list of contacts, starting with the letters, appears on the display.

> **Tip!** To add or edit several contact cards, use Nokia Contacts Editor available in Nokia PC Suite.
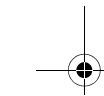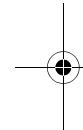
To attach a small thumbnail image to a contact card, open the contact card, and select **Options** > **Edit** > **Options** > **Add thumbnail**. The thumbnail image is shown when the contact calls.

To delete a contact card in **Addr. Book**, select a card, and press ⟨. To delete several contact cards at the same time, press ⟨ and ⟨ to mark the contact cards , and press ⟨ to delete.

> **Tip!** 1-touch dialing is a quick way to call frequently used numbers. You can assign 1-touch dialing keys to eight phone numbers. See "1-touch dial a phone number," p. 73.

> **Tip!** To send contact information, select the contact card you want to send. Select **Options** > **Send** > **Via text message**, **Via multimedia**, **Via Bluetooth**, or **Via infrared**. See "Messaging," p. 55 and "Send data using Bluetooth connectivity," p. 114.

To view the amount of addresses, groups, and the available memory in **Addr. Book**, select **Options** > **Check memory**.
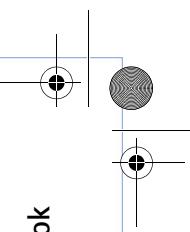
Default numbers and addresses

You can assign default numbers or addresses to a contact card. In this way if a contact has several numbers or addresses, you can easily call or send a message to the contact to a certain number or address. The default number is also used in voice dialing.

1 In **Addr. Book**, select a contact, and press ▣.
2 Select **Options** > **Defaults**.
3 Select the number or address to which you want to add a default value, and select **Assign**.
4 Select a number or an address you want to set as a default.

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

Contact groups

To create a contact group, do the following:
1 In **Addr. Book**, press ▯ to open the groups list.
2 Select **Options** > **New group**.
3 Write a name for the group or use the default name **Group %N**, and select **OK**.
4 Open the group, and select **Options** > **Add members**.
5 Scroll to a contact, and press ▣ to mark it. To add multiple members at a time, repeat this action on all the contacts you want to add.

6 Select **OK** to add the contact to the group.

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

To add a contact to an existing contact group, select **Options** > **Add to group:** .

To remove contacts from a group, do the following:
1 In the groups list, open the group you want to modify.
2 Select the contact and **Options** > **Remove from group**.
3 Select **Yes** to remove the contact from the group.
☼ **Tip!** To check to which groups a contact belongs, scroll to the contact, and select **Options** > **Belongs to groups**.

Add ringing tones for addresses

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

1 Press ▣ to open a contact card or go to the groups list, and select a contact group.
2 Select **Options** > **Ringing tone**. A list of ringing tones opens.
3 Select the ringing tone you want to use for the individual contact or the selected group.
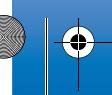
You can also use a song as a ringing tone. See "Set a song as a ringing tone," p. 39.

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

Copy contacts

To copy names and numbers from a SmartChip to your device, press , and select **Addr. Book** > **Options** > **SmartChip contacts** > **SmartChip directory**. Select the names you want to copy and **Options** > **Copy to Address Book**.

To copy addresses to your SmartChip, press , and select **Addr. Book**. Select the names you want to copy and **Options** > **Copy to SChip direct.** or **Options** > **Copy** > **To SmartChip directory**. Only the contact card fields supported by your SmartChip are copied.

SChip directory and other SmartChip services

For availability and information on using SmartChip services, contact your service provider.

Press , and select **Addr. Book** > **Options** > **SmartChip contacts** > **SChip directory** to see the names and numbers stored on the SmartChip. In the SmartChip directory you can add, edit, or copy numbers to **Addr. Book**, and make calls.

To view the list of fixed dialing numbers, select **Options** > **SmartChip contacts** > **Fixed dialing contacts**. This setting is only shown if supported by your SmartChip.

To restrict calls from your device to selected phone numbers, select **Options** > **Activ. fixed dialing**. To add new numbers to the fixed dialing list, select **Options** > **New SmartChip contact**. You need the PIN2 code for these functions.

When you use **Fixed dialing**, packet data connections are not possible, except when sending text messages over a packet data connection. In this case, the message center number and the recipient's phone number must be included on the fixed dialing list.

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

Address book

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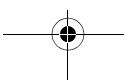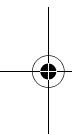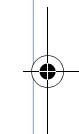
Make calls

Voice calls

☀ **Tip!** To increase or decrease the volume during a call, use the volume keys, or scroll left and right. If you have set the volume to **Mute**, select **Unmute** first, and then scroll left or right.

1 In the idle mode, enter the phone number, including the area code. To remove a number, press ⌐ . For international calls, press ✶ twice for the **+** character (replaces the international access code), and enter the country code, area code (omit the leading zero if necessary), and phone number.
2 Press ⌐ to call the number.
3 Press ⌐ to end the call (or to cancel the call attempt).

Pressing ⌐ always ends a call, even if another application is active.

To make a call from **Addr. Book**, press ⌐ , and select **Addr. Book**. Scroll to the desired name, or enter the first letters of the name to the search field. Matching addresses are listed. To call, press ⌐ . Select the call type **Voice call**.

You must copy the address from your SmartChip to **Addr. Book** before you can make a call this way. See "Copy contacts," p. 71.

To call your voice mailbox (network service), press and hold **1** in the idle mode. See also "Call forwarding," p. 107.

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

To call a recently dialed number in the idle mode, press ⌐ . Scroll to the number, and press ⌐ .

Make a conference call

1 Make a call to the first participant.
2 To make a call to another participant, select **Options** > **New call**. The first call is automatically put on hold.
3 When the new call is answered, to join the first participant in the conference call, select **Options** > **Conference** (network service).
To add a new person to the call, repeat step 2, and select **Options** > **Conference** > **Add to conference**. Your device supports conference calls between a maximum of six participants, including yourself.

To have a private conversation with one of the participants, select **Options** > **Conference** > **Private**. Select a participant and **Private**. The conference call is put on hold on your device. The other participants can still continue the conference call. After you finish the private conversation, select **Options** > **Add to conference** to return to the conference call.

To drop a participant, select **Options** > **Conference** > **Drop participant**, scroll to the participant, and select **Drop**.

4 To end the active conference call, press ⏷ .
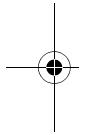
1-touch dial a phone number

To activate 1-touch dialing, press ⌇, and select **Settings** > **Config.** > **Call** > **1-touch dialing**> **On**.

To assign a phone number to one of the 1-touch dialing keys (**2** — **9**), press ⌇, and select **Settings** > **Spd. dial**. Scroll to the key to which you want to assign the phone number, and select **Options** > **Assign**. **1** is reserved for the voice mailbox.

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

Voice dialing

Your device supports enhanced voice commands. Enhanced voice commands are not dependent on the speaker's voice, so the user does not record voice tags in advance. Instead, the device creates a voice tag for the entries in **Addr. Book**, and compares the spoken voice tag to it. The voice recognition in the device adapts to the main user's voice to recognize the voice commands better.

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

Make a call with a voice tag

⬛ 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.

When you use voice dialing, the loudspeaker is in use. Hold the device at a short distance away when you say the voice tag.

1 To start voice dialing, in the idle mode, press and hold ⏷ . To start voice dialing with the fold closed, press and hold ▶▶|. If you are using a compatible headset with the headset key, press and hold the headset key to start voice dialing.

2 A short tone is played, and **Speak now** is displayed. Say clearly the name or nickname that is saved on the address card.

3 The device plays a synthesized voice tag for the recognized address in the selected device language,
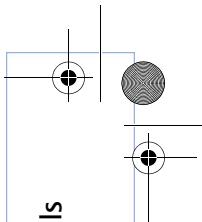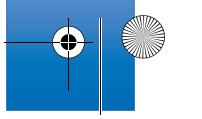
and displays the name and number. After a timeout of approximate 2.5 seconds, the device dials the number. If the recognized address is not correct, select **Next** to view a list of other matches, or **Quit** to cancel voice dialing.

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

Answer or decline a call

To answer a call, press ⌣.

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

If you do not want to answer a call, press ⌐. If you have activated the **Call forward** > **If busy** function to forward calls, declining an incoming call also forwards the call. See "Call forwarding," p. 107.

When you decline an incoming call, you can send a text message to the caller informing why you cannot answer the call. Select **Options** > **Send text message**. You can edit the text before sending it. To set up this option and write a standard text message, see "Call config.," p. 101.

Call waiting

You can answer a call while you have another call in progess if you have activated **Call waiting** in **Settings** > **Configuration** > **Call** > **Call waiting**. Call waiting is a network service.

☀ **Tip!** To change the device tones for different environments and events, for example, when you want your device to be silent, see "Profiles—set tones," p. 95.

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

To switch between the two calls, select **Swap**. To connect an incoming call or a call on hold with an active call and to disconnect yourself from the calls, select **Options** > **Transfer**. To end the active call, press ⌐. The first call remains active. To end both calls, select **Options** > **End all calls**.

Options during a voice call

Many of the options that you can use during a voice call are network services. Select **Options** > **Mute** or **Unmute**, **Answer**, **Decline**, **Swap**, **Hold** or **Unhold**, **Activate handset**, **Activate loudsp.**, or **Activate handsfree** (if a compatible headset with Bluetooth connectivity is attached), **End active call** or **End all calls**, **New call**,

Conference, **Transfer**, and **Open active idle**. Select from the following:

**Replace**—to end an active call and replace it by answering the waiting call

Send MMS (in UMTS networks only)—to send an image or a video in a multimedia message to the other participant of the call. You can edit the message and change the recipient before sending. Press ⤺ to send the file to a compatible device (network service).

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

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

Log

To monitor the phone numbers of missed, received, and dialed voice calls, press , and select **Log**. The device registers missed and received calls only if the network supports these functions, the device is switched on, and within the network service area.
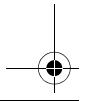
To clear all recent call lists, select **Options** > **Delete recent calls** in the recent calls main view. To clear one of the call logs, open the register you want to erase, and select **Options** > **Clear list**. To clear an individual event, open a register, scroll to the event, and press ⤺ .

Call time

To monitor the approximate duration of your incoming and outgoing calls, press , and select **Log**> **Call time**.

To set the display of the call timers while a call is active, select **Log** > **Options** > **Settings** > **Show call time** > **Yes** or **No**.

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

To clear call duration timers, select **Options** > **Clear timers**. For this you need the lock code. See "Phone and SmartChip," p. 104.

Data counter

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

Make calls

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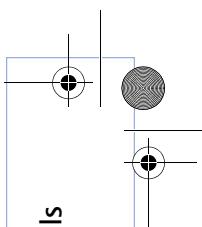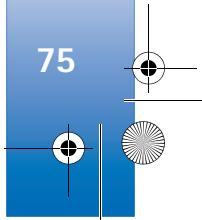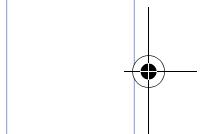
 Note: The packet data charges invoiced by your service provider may vary, depending on network features, rounding off for billing, and so forth.

Monitor all communication events

To monitor all voice calls, text messages, or data connections registered by the device, press , select **Log**, and scroll right to open the general log. For each communication event, you can see the sender or recipient name, phone number, name of the service provider, or access point, and one of the following icons:

 Incoming

 Outgoing

 Missed

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

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

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

To add an unknown phone number from **Log** to **Addr. Book**, select **Options** > **Add to Address Book**.

To erase the contents of the log, recent calls register, and messaging delivery reports permanently, select **Options** > **Clear log**. Select **Yes** to confirm. To remove a single event from the log, press .

To set the **Log duration**, select **Options** > **Settings** > **Log duration**. The log events remain in the device memory for a set number of days after which they are automatically erased to free memory. If you select **No log**, all the log contents, recent calls register, and messaging delivery reports are permanently deleted.

To view the details of a communication event, in the general log view, select an event.

 Tip! In the details view you can copy a phone number to the clipboard and paste it to a text message. Select **Options** > **Copy Number**.

Packet data counter and connection timer: To view how much data, measured in kilobytes, is transferred and how long a certain packet data connection lasts, scroll to an
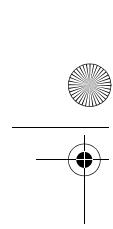
incoming or outgoing event indicated by **Pack.**, and select
Options > **View details**.
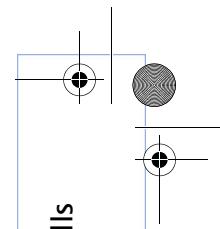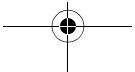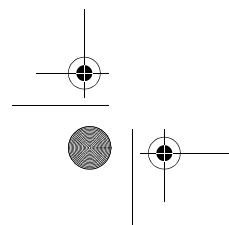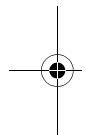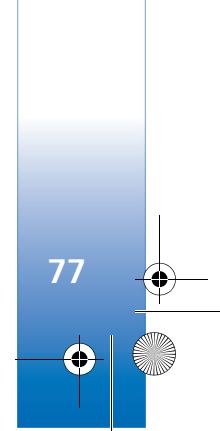
🌐 MEdia Net

To access MEdia Net, press 🎵 , and select **MEdia Net** (network service). Alternatively, press ⌐ .

MEdia Net provides wireless internet access to your device.

Various service providers maintain pages specifically designed for mobile devices that you can view with the **MEdia Net** browser. These pages use the wireless markup language (WML), extensible hypertext markup language (XHTML), or hypertext markup language (HTML).

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

 ☀ **Shortcut:** To start a connection, press and hold ▣ or 0 in the idle mode.

Access point

To access pages, you need service settings for the page that you want to use. You may receive the settings in a special text message from the network operator or service provider that offers the page. See "Data and settings,"

p. 61. For more information, contact your network operator or service provider.

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

Enter settings manually
1 Press 🎵 , select **Settings** > **Config.** > **Connection** > **Access points**, and define the settings for an access point. Follow the instructions given to you by your service provider. See "Connection," p. 102.
2 Press 🎵 , and select **MEdia Net** > **Options** > **Bookmark manager** > **Add bookmark**. Write a name for the bookmark and the address of the page defined for the current access point.
3 To set the created access point as the default access point, select **Options** > **Settings** > **Access point**.

Bookmarks view

The bookmarks view opens when you open **MEdia Net**.

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

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the same precautions, for security or content, as you would with any Internet site.

 indicates the starting page defined for the default access point.

Connection security

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

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

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

Security certificates may be required for some services, such as banking services. For more information, contact your service provider. See also "Certif. management," p. 105.
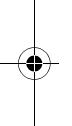
Browse

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

To download a page, select a bookmark, or enter the address in the field ( ).

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

To open links and make selections, press .

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

To go to the previous page while browsing, select **Back**. If **Back** is not available, select **Options** > **Navigation options** > **History** to view a chronological list of the pages you visited during a browsing session.

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

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

 Tip! To access the bookmarks view while browsing, press and hold . To return to the browser view, select **Options** > **Back to page**.
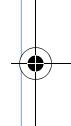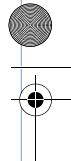
MEdia Net

To save a page while browsing, select **Options** > **Advanced options** > **Save page**. You can save pages to the device memory or compatible memory card (if inserted), and browse them when offline. To access the pages later, press ⬜ in the bookmarks view to open the **Saved pages** view.

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

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

You can download files that cannot be shown on the browser page, such as ringing tones, images, operator logos, themes, and video clips. To download an item, select the link.

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

Download and purchase items

You can download items such as ringing tones, images, operator logos, themes, and video clips. These items can be provided free, or you can purchase them. Downloaded items are handled by the respective applications in your device, for example, a downloaded photo can be saved in **My Stuff**.

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

1 To download the item, select the link.
2 Select the appropriate option to purchase the item (for example, 'Buy').
3 Carefully read all the information provided.
   To continue the download, select **Accept**. To cancel the download, select **Cancel**.

End a connection

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

Empty the cache

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

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

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cache after each use. The information or services you have accessed are stored in the cache. To empty the cache, select **Options** > **Advanced options** > **Clear cache**.

Settings

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

Access point—Change the default access point. See "Connection," p. 102. Some or all access points may be preset for your device by your service provider or network operator, and you may not be able to change, create, edit, or remove them.

Homepage—Define the home page.

Load imgs. & audio—Select whether you want to load images while browsing. If you select **No**, to load images later during browsing, select **Options** > **Show images**.

Font size—Select the text size.

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

Auto. bookmarks—Enable or disable automatic bookmark collecting. If you want to continue collecting automatic bookmarks but hide the folder from the bookmarks view, select **Hide folder**.

Screen size—Select what is shown when you are browsing: **Select. keys only** or **Full screen**.

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

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

Cookies—Enable or disable the receiving and sending of cookies.

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

Security warnings—Hide or show security notifications.

Confirm touch tones—Select whether you want to confirm before the device sends touch tones during a voice call. See also "Options during a voice call," p. 74.
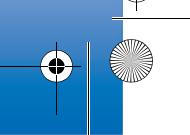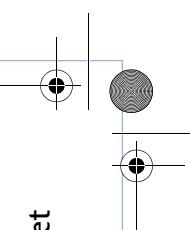
Calendar

Calendar

The **Calendar** reminds you of meetings and anniversaries, and keeps track of your tasks and other notes.

Create calendar entries

☼ **Shortcut:** In the day, week, or month calendar view, press any key (**1** — **0**). An appointment entry opens, and the characters you enter are added to the **Subject** field. In the to-do view, a to-do note entry opens.

1 Press ⌘ , and select **Tools** > **Calendar** > **Options** > **New entry** and one of the following: **Meeting**—to remind you of an appointment that has a specific date and time

Memo—to write a general entry for a day

Anniversary—to remind you of birthdays or special dates (entries are repeated every year)

To-do—to remind you of a task that needs doing by a specific date

2 Fill in the fields.
3 To set an alarm, select **Alarm** > **On**, and enter the **Alarm time** and **Alarm date**.
4 To add a description for an appointment or a meeting, select **Options** > **Add description**.
5 To save the entry, select **Done**.

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

To modify the calendar alarm tone select **Options** > **Settings** > **Calendar alarm tone**.

☼ **Tip!** You can synchronize your calendar with a compatible PC using Nokia PC Suite. When creating a calendar entry, set the desired **Synchronization** option.

Calendar views

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

In the month view, dates that have calendar entries are marked with a small triangle in the right bottom corner. In

the week view, memos and anniversaries are placed before 8 a.m. To switch between the month view, week view, day view, and to-do view, press ✳ .

To go to a certain date, select **Options** > **Go to date**. To jump to today, press # .

☼ **Tip!** To see today's calendar with the fold closed, press ▶▦ on the side of the device. To return to the idle mode, press ▶▦ again twice.

To send a calendar entry to a compatible device, select **Options** > **Send**.
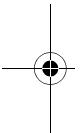
To print calendar entries on a compatible Basic Print Profile (BPP) equipped printer with Bluetooth connectivity (such as HP Deskjet 450 Mobile Printer or HP Photosmart 8150), select **Options** > **Print**.

Manage your calendar entries

Deleting past entries in **Calendar** saves space in your device memory.

To delete more than one entry at a time, go to the month view, and select **Options** > **Delete entry** > **Before date** or **All entries**.

To mark a task as completed, scroll to it in the to-do view, and select **Options** > **Mark as done**.
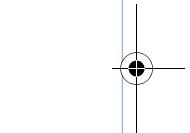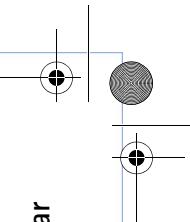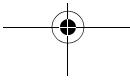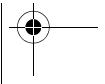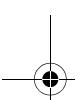
Games&Apps

Games

Press , and select **Games&Apps** and a game. For instructions on how to play the game, select **Options** > **Help**.

MobiTV

MobiTV allows you to watch live TV on your device. To open the application, press , and select **Games&Apps** > **MobiTV.**

To change channels, press or . Pause for a moment to allow the device to respond.

To enter a channel number directly, press to open the channel guide, followed by the channel number, and then press **OK.**

To change the volume, press or .

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

For more information, visit www.mobitv.com

Instant Messaging & Email

Instant messaging

Press , and select **IM & Email** > **IM**.

Instant messaging (IM) (network service) allows you to converse with other people using instant messages and join discussion forums (IM groups) with specific topics. Various service providers maintain instant IM servers that you can log in to after you register to an IM service. Service providers may differ in their support of IM features. When you log into an IM service for the first time, you may be required to accept the Terms of Use of the service.

Select **Conversations** to start or continue a conversation with an IM user; **IM contacts** to create, edit, or view the online status of your IM contacts; **IM groups** to start or continue a group conversation with multiple IM users; or **Record. chats** to view a previous IM session that you saved.

Receive IM settings

You must save the settings to access the service that you want to use. You may receive the settings in a special text message from the network operator or service provider that offers the IM service. See "Data and settings," p. 61. You can also enter the settings manually. See "IM server settings," p. 87.

Connect to an IM server

1 To connect to an IM server, select **IM** > **Options** > **Login**. To change the IM server in use and save new IM servers, see "IM server settings," p. 87.
2 Enter your user ID and password, and press to log in. You obtain the user ID and password from your service provider.
3 To log out, select **Options** > **Logout**.

To log in automatically when you start **IM**, select **Options** > **Settings** > **Server settings** > **On app. start-up**.

Modify your IM settings

Select **Options** > **Settings** > **IM settings** and from the following:

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

Show my availability—To allow others to see if you are online, select **To everyone**.

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

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

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

Sort IM contacts—Select how your IM contacts are sorted: **Alphabetically** or **By online status**.

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

Offline contacts—Select whether IM contacts with an offline status are shown in the IM contacts list.

Own message color—Select the color of the instant messages you send.

Received msg color—Select the color of the instant messages you receive.

IM alert tone—Change the tone played when you receive a new instant message.

Search for IM groups and users

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

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

Join IM groups

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

To join a saved IM group, press ⊚.

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

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

Instant messaging

After you join an IM group, you can view the messages that are exchanged there, and send your own messages.

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

To send a private message to a participant, select **Options** > **Send private msg.**.

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

To invite IM contacts who are online to join the IM group, select **Options** > **Send invitation**.

Record chats

To record the messages that are exchanged during a conversation or while you are joined in a IM group, select **Options** > **Record chat**. To stop recording, select **Options** > **Stop recording**. To view the recorded chats, in the main view, select **Record. chats**.

View and start conversations

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

To view a conversation, select a participant.

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

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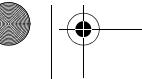
To start a new conversation, select **Options** > **New conversation**.

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

To prevent receiving messages from certain participants, select **Options** > **Blocking options**.

IM contacts

In the **IM contacts** view, you can retrieve instant messaging contact lists from the server, or add a new instant messaging contact to a contact list. When you log in to the server, the previously used instant messaging contact list is retrieved from the server automatically.

Select **Options** > **Change own availab.** to change the online status that is shown to other IM users. You can select a predefined message that shows to other IM users, or type your own. If you select your status to be **Hidden** or **Away**, no status message is shown to other IM users.

IM server settings

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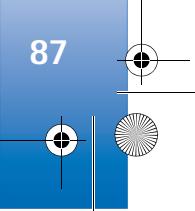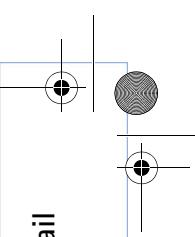
the service. If you do not know your user ID or password, contact your service provider.

Servers—View a list of all defined IM servers.

Default server—Change the IM server to which you want to connect.

IM login type—To log in automatically when you start **IM**, select **On app. start-up**.

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

Server name—the name for the IM server

Access point in use—the access point you want to use for the server

Web address—the URL address of the IM server

User ID—your user ID

Password—your login password

Mobile email

Press , and select **IM & Email** > **Mobile email**.

Mobile email (network service) allows you to access your home email. Selected email services allow you to receive "new mail" alerts with shortcut access to your inbox enabling you to read, delete, and respond to your email from your device.

For details of supported email providers and further information, please contact your service provider.

Tools

Web

Various service providers maintain pages specifically designed for mobile devices. These pages use the wireless markup language (WML), extensible hypertext markup language (XHTML), or hypertext markup language (HTML).

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

Press , and select **Tools** > **Web**.

With this additional browser, you are able to view normal Web pages, to zoom in and out on a page (Mini Map), to view Web pages that contain only text in narrow form so that text wraps, and to read feeds and blogs.

To turn the Mini Map on or off for the current page, press . When the Mini Map is on, an overview of the complete page is shown when you press and hold the scroll key right, left, up, or down to move on the page.

Calculator

To add, substract, multiply, divide, and calculate square roots and percentages, press , and select **Tools** > **Calculator**.

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

Converter

To convert measures from one unit to another, press , and select **Tools** > **Converter**.

Converter has limited accuracy, and rounding errors may occur.

1 In the **Type** field, select the measure you want to use.
2 In first **Unit** field, select the unit from which you want to convert. In the next **Unit** field, select the unit to which you want to convert.

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

Set base currency and exchange rates

Select **Type** > **Currency** > **Options** > **Currency rates**. Before you can make currency conversions, you must select a base currency and add exchange rates. The rate of the base currency is always 1.

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

Notes

To write notes, press , and select **Tools** > **Notes**. You can send notes to compatible devices, and save plain text files (.txt format) that you receive to **Notes**.

To print a note on a compatible Basic Print Profile (BPP) equipped printer with Bluetooth connectivity (such as HP Deskjet 450 Mobile Printer or HP Photosmart 8150), select **Options** > **Print**.

Recorder

To record voice memos, press , and select **Tools** > **Recorder**. To record a telephone conversation, select **Recorder** during a voice call. Both parties hear a tone every 5 seconds during recording.

RealPlayer

Press , and select **Tools** > **RealPlayer**. To play video clips or stream media files over the air, select **RealPlayer.** You can activate a streaming link when you browse Web pages, or store it in the device memory or a compatible memory card (if inserted).

RealPlayer supports files with extensions such as .3gp, .mp4 or .rm. However, **RealPlayer** does not necessarily support all file formats or all the variations of file formats. For example, **RealPlayer** attempts to open all .mp4 files, but some .mp4 files may include content that is not compliant with 3GPP standards and, therefore, is not supported by this device.

Play video clips

1 To play a media file stored in device memory or on the memory card (if inserted), select **Options** > **Open** and from the following:
Most recent clips—to play one of the last six files played in **RealPlayer**
Saved clip—to play a file saved in **My Stuff**.
See "My Stuff," p. 46.
2 To play a file, select it.

 Tip! To view a video clip in full screen mode, press **2** . To change back to normal screen mode, press any key.
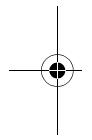
Shortcuts during play

- To fast forward, press and hold .
- To rewind through the media file, press and hold .
- To mute the audio, press and hold until is displayed. To turn on the audio, press and hold until you see .

Stream content over the air

Streaming (network service) content refers to playing video or audio files directly from the web, without downloading it to your device first.
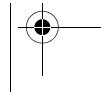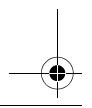
Many service providers require you to use an Internet access point (IAP) for your default access point. Other service providers allow you to use a WAP access point.

The access points may be configured when you first start your device.

Contact your service provider for more information.

To stream content over the air, select a streaming link saved in **My Stuff**, on a Web page or received in a text message or multimedia message. Before live content begins streaming, your device connects to the site and starts loading the content. The content is not saved in your device.
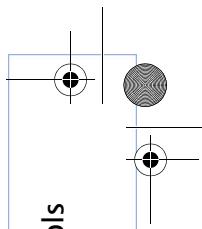
Receive RealPlayer settings

You may receive **RealPlayer** settings in a special text message from the network operator or service provider. See "Data and settings," p. 61. For more information, contact your network operator or service provider.

Change the RealPlayer settings

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

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

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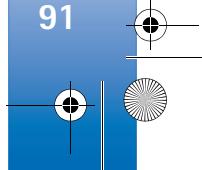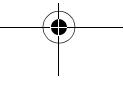
used when connecting. Contact your service provider for the correct settings.

Select **Proxy sett.**: and from the following:

Use proxy—To use a proxy server, select **Yes**.

Proxy serv. address—Enter the IP address of the proxy server.

Proxy port number—Enter the port number of the proxy server.

Glossary: Proxy servers are intermediate servers between media servers and their users. Some service providers use them to provide additional security or speed up access to browser pages that contain audio or video clips.

Select **Netw. sett.**: and from the following:

Default access point—Scroll to the access point you want to use to connect to the Internet, and press ▣.

Online time—Set the time for **RealPlayer** to disconnect from the network when you pause a media clip playing through a network link. Select **User defined**. Enter the time, and select **OK**.

Lowest UDP port—Enter the lowest port number of the server's port range. The minimum value is 1024.

Highest UDP port—Enter the highest port number of the server's port range. The maximum value is 65535.

Select **Options** > **Advanced settings** to edit the bandwidth values for different networks.

Flash Player

With Flash Player, you can view, play, and interact with compatible flash files made for mobile devices.

Play flash files

Press , and select **Tools** > **Flash Player** and a flash file.

If available, select **Options** and from the following:

Pause—to pause the playback

Stop—to stop the playback

Volume—to adjust the playback volume. To increase or decrease the volume scroll left or right.

Quality—to select the playback quality.

If the playback appears uneven and slow, change the **Quality** setting to **Normal** or **Low**.

Full screen—to play the file using the entire display. To return to the normal screen, select **Normal screen**.

Even though the key functions are not visible in full screen, they may still be available when you press either selection key.

Fit to screen—to play the file in its original size after zooming it

Pan mode on—to be able to scroll around the display when you have zoomed in

Organize flash files

Press , and select **Tools** > **Flash Player**. Scroll right.

To open a folder or play a flash file, select it.

To send a flash file to a compatible device, scroll to it, and press the call key.

To copy or move a flash file to another folder, scroll to it, and select **Options** > **Organize** > **Copy to folder** or **Move to folder**.

To create a folder to organize your flash files, select **Options** > **Organize** > **New folder**.

The available options may vary.

To delete a flash file, scroll to it, and press   .

Radio

Press , and select **Tools** > **Radio**.
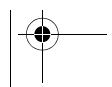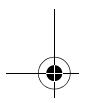
You can listen to the FM radio while using other applications.

If you do not have access to the radio service, the operators and radio stations in your area may not support radio. The radio service may not be available in all areas and countries.

You can normally make a call or answer an incoming call while listening to the radio. The radio is muted when there is an active call.

The radio selects the used frequency band based on the country information received from the network. If this information is not available, you may be asked to select the region you are located in, or you can select the region in the Radio settings. See "Settings," p. 94.

Listen to the radio

Note that the quality of the radio broadcast depends on the coverage of the radio station in that particular area.

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

Press , and select **Tools** > **Radio**. To start a station search, select   or   . To change the frequency manually, select **Options** > **Manual tuning**.

Tools

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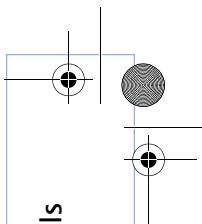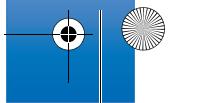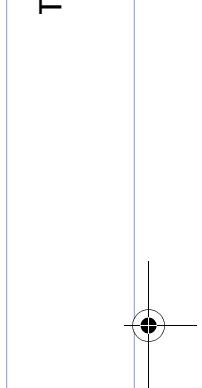
If you have previously saved radio stations, select ⬛ or
⬛ to go to the previous or next saved station, or press
the corresponding number key to select the memory
location of a station.

To adjust the volume, press ⬛⬛ . To listen to the radio
using the loudspeakers, select **Options** > **Activate
loudspeaker**.

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

To save the current tuned station to your station list,
select **Options** > **Save station**. To open the list of your
saved stations, select **Options** > **Stations**.

To return to the idle mode and leave the FM radio playing
in the background, select **Options** > **Play in background**.

Saved stations

You can save up to 20 radio stations in the radio. To open
your station list, select **Options** > **Stations**.

To listen to a saved station, select **Options** > **Station** >
Listen.

To change station details, select **Options** > **Station** >
Edit.

Settings

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

Start-up tone—Select whether a tone is played when the
application is started.

Current region—Select the region you are currently
located in. This setting is displayed only if there was no
network coverage when the application was started.

Personalize your device

To use the idle display for fast access to your most frequently used applications, see "Active idle mode," p. 97.

To change the idle mode background image or what is shown in the screen saver, see "Change the look of your device," p. 97.

To personalize the ringing tones, see "Profiles—set tones," p. 95 and "Add ringing tones for addresses," p. 70.

To change the shortcuts assigned for the different presses of the scroll key and left and right selection keys in the idle mode, see "Idle screen mode," p. 99.

To change the clock shown in the idle mode, press , and select **Tools** > **Clock** > **Options** > **Settings** > **Clock type** > **Analog** or **Digital**.

To change the welcome note to an image or animation, press , and select **Settings** > **Config.** > **Phone** > **General** > **Welcome note / logo**.

To change the main menu view, in the main menu, select **Options** > **Change view** > **Grid** or **List**.

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

Profiles—set tones

Profiles let you personalize the ringing tones, message alert tones, and other tones for different events, environments, or caller groups.

To change the profile, press in the idle mode. Scroll to the profile you want to activate, and select **OK**.

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

When you choose a tone, **Tone downloads** (network service) opens a list of bookmarks. You can select a
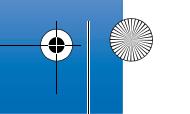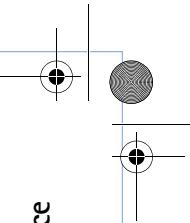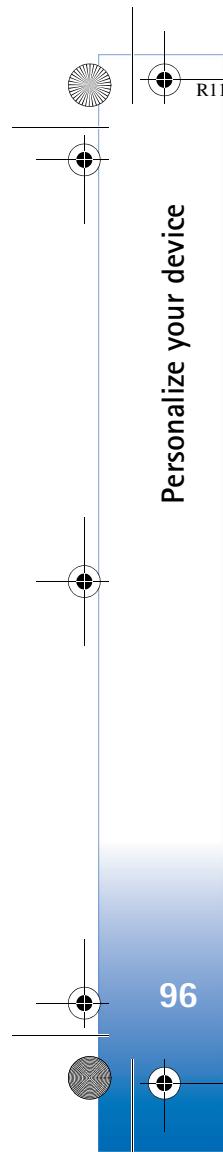
Personalize your device

bookmark and start connection to a Web page to download tones.

If you want the caller's name to be said when your device rings, select **Options** > **Customize**, and set **Say caller's name** to **On**. The caller's name must be saved in **Addr. Book**.

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

3-D tones

3-D tones enable three-dimensional sound effects for your ringing tones (not all ringing tones support **3-D tones**). Press , and select **Settings** > **3-D tones**.

To enable **3-D tones** for all your ringing tones, select **3-D ringing tones** > **On**.

To change the three-dimensional effect for a ringing tone, do the following:

1 Select **Ringing tone** and the ringing tone you want to change.
2 Select **Sound trajectory** and from the following settings:
   Trajectory speed—Scroll left or right to adjust the speed at which sound moves from one direction to another. This setting is not available for all ringing tones.

Doppler effect—Select **On** if you want the ringing tone to appear to change as you get closer to the device, or further away from it. The ringing tone appears to become higher as you get closer to the device, and to become lower as you get further away. This setting is not available for all ringing tones.
Reverberation—Select the reverb type.

To listen to the ringing tone with the three-dimensional effect, select **Options** > **Play tone**. To listen to **3-D tones**, use the stereo loudspeakers on your device, or a stereo headset.

Offline profile

The **Offline** profile lets you use the device without connecting to the wireless network. When you activate the **Offline** profile, the connection to the wireless network is turned off, as indicated by   in the signal strength indicator area. All wireless RF signals to and from the device are prevented. If you try to send messages, they are placed in the outbox to be sent later. If a Bluetooth connectivity is activated before entering the **Offline** profile, it will be deactivated.

 Warning: In the Offline profile you cannot make (or receive) any calls, except make calls to certain emergency numbers, or use other features that require network coverage. To make calls, you must first activate

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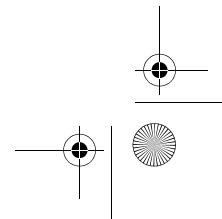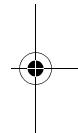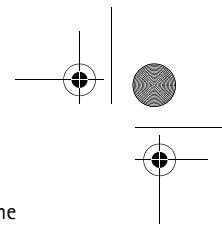
the phone function by changing profiles. If the device has been locked, enter the lock code.

To leave the **Offline** profile, press the power key, and select another profile. The device re-enables wireless transmissions (providing there is sufficient signal strength). If a Bluetooth connectivity was activated before entering the **Offline** profile, it is automatically reactivated after leaving the **Offline** profile. See "Config.," p. 99.

Change the look of your device

To change the look of the display, such as the wallpaper and icons, press , and select **Settings** > **Themes**. The active theme is indicated by . In **Themes** you can group together elements from other themes or select images from **My Stuff** to personalize themes further. The themes on the memory card (if inserted) are indicated by . The themes on the memory card are not available if the memory card is not inserted in the device. If you want to use the themes saved in the memory card without the memory card, save the themes in the device memory first.

To open a browser connection and download more themes, select **Theme downloads** (network service).

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

To activate a theme, scroll to it, and select **Options** > **Apply**. To preview a theme before activating it, select **Options** > **Preview**.

To edit themes, scroll to a theme, and select **Options** > **Edit** to change the **Wallpaper** and **Power saver** settings.

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

Active idle mode

Use your idle display for fast access to your most frequently used applications. By default, the active idle mode is off.

Press , select **Settings** > **Config.** > **Phone** > **Idle screen mode** > **Active idle**, and press to switch the active idle on or off.
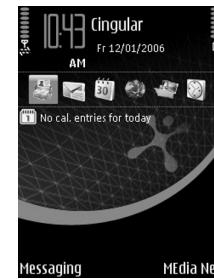
The active idle display is shown with default applications across the top of the
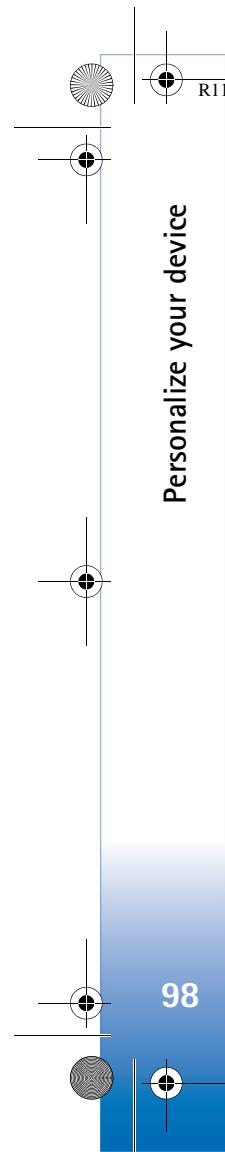
Personalize your device

screen, and calendar, to-do, and player events listed below.

Select an application or event.

The standard scroll key shortcuts available in the idle mode cannot be used when the active idle mode is on.

To change the default applications shortcuts, press , select **Settings** > **Config.** > **Phone** > **Idle screen mode** > **Active idle apps**.

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

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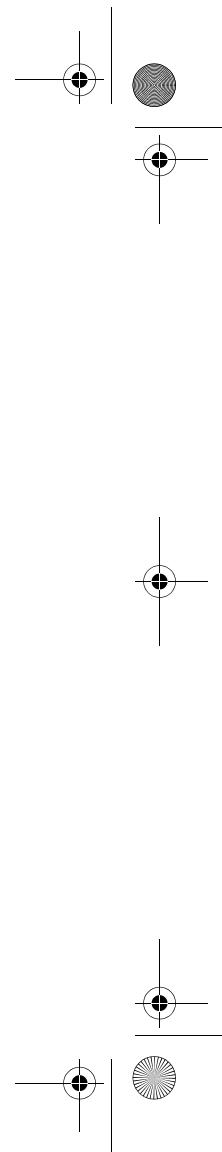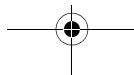
Settings

Config.

To change settings, press ![icon], and select **Settings** > **Config.**. and a settings group. Select a setting you want to change.

Some settings may be preset for the device by your network operator or service provider, and you may not be able to change them.

Phone

General

Phone language—Changing the language of the display texts in your device also affects the format used for date and time and the separators used, for example, in calculations. **Automatic** selects the language according to the information on your SmartChip card. After you change the display text language, the device restarts.

Changing the settings for **Phone language** or **Writing language** affects every application in your device, and the change remains effective until you change these settings again.

Writing language—Changing the language affects the characters and special characters available when writing text and the predictive text dictionary used.

Predictive text—Set the predictive text input **On** or **Off** for all editors in the device. The predictive text dictionary is not available for all languages.

Welcome note / logo—The welcome note or logo is displayed briefly each time you switch on the device. Select **Default** to use the default image, **Text** to write a welcome note, or **Image** to select an image from **My Stuff**.

Reset phone settings—You can reset some of the settings to their original values. To do this, you need the lock code. See "Phone and SmartChip," p. 104. After resetting, the device may take a longer time to power on. Documents and files are unaffected.

Idle screen mode

Active idle—Use shortcuts to applications in the idle mode. See "Active idle mode," p. 97.
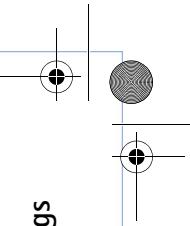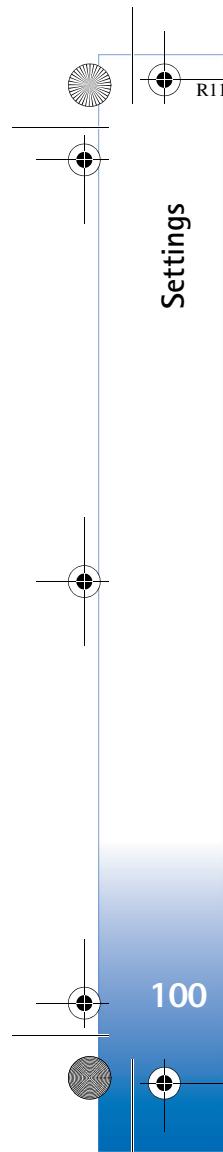
Settings

Left selection key—Assign a shortcut to the left selection key ( ) in the idle mode.

Right selection key—Assign a shortcut to the right selection key ( ) in the idle mode.

Active idle apps—Select the application shortcuts you want to appear in the active idle. This setting is only available if **Active idle** is on.

You can also assign keypad shortcuts for the different presses of the scroll key. The scroll key shortcuts are not available if the active idle is on.

Operator logo—This setting is only available if you have received and saved an operator logo. Select **Off** if you do not want the logo to be shown.

Display

Light sensor—Adjust the basic brightness level of the display to lighter or darker. However, in extreme light conditions, the brightness of the display is automatically adjusted.

Power saver time-out—Select the time-out period after which the power saver and the cover display screen saver (if selected) is activated.

Light time-out—Select a time-out after which the backlight of the display is switched off.

Cover display

Personalization—Select from the following:

- **Wallpaper**—Select the background image displayed on the cover display in the idle mode.
- **Screen saver**—Select an image or animation to use as screen saver on the cover display, and the duration it is shown.
  When you select an image to use as wallpaper or screen saver, a cropping frame the size of the cover display is shown on top of the image. You can zoom and rotate the area of the image. Scroll to move the frame around the display. To use the area inside the frame, select **Options** > **Set as wallpaper** or **Set as screen saver**. You cannot use a copyright-protected image as wallpaper or screen saver.
- **Closing animation**—Select a short animation to play when you close the cover.
- **Closing tone**—Select a short tune to play when you close the cover.
- **Opening tone**—Select a short tune to play when you open the cover and the device is in the idle mode.

Brightness—Close the fold, and use the volume key to adjust the brightness on the cover display.

Answer if fold opened—Select **Yes** if you want to answer incoming calls by opening the fold.
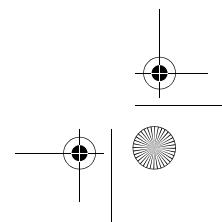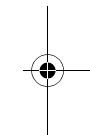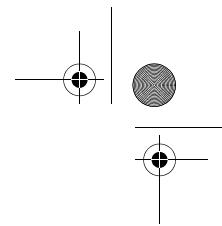
Sleep mode—Select whether the display is switched off to save battery power. If the screen saver is turned off, the cover display switches off after 1 minute. If the screen saver is turned on, the cover display switches off at the end of the screen saver period (1-15 minutes).

Call config.

Send my caller ID—To set your phone number to be displayed or hidden from the person to whom you are calling, select **Yes** or **No**. The value may be set by your network operator or service provider when you make a subscription (**Set by network**) (network service).

Call waiting—Activate this setting if you want the network to notify you of a new incoming call while you have a call in progress. To set the function on or off, select **Activate** or **Cancel**. To check whether the function is activated, select **Check status**.

Reject call with SMS—Select **Yes** to send a text message to a caller informing why you could not answer the call. See "Answer or decline a call," p. 74.

Message text—Write a text to be sent in a text message when you decline a call.

Automatic redial—Select **On**, and your device makes a maximum of 10 attempts to connect the call after an unsuccessful call attempt. To stop automatic redialing, press ⌰ .

Summary after call—Activate this setting if you want the device to briefly display the approximate duration of the last call.

1-touch dialing—Select **On**. To dial the numbers assigned to the speed dialing keys (**2** — **9**), press and hold the key. See also "1-touch dial a phone number," p. 73.

Anykey answer—Select **On**. To answer an incoming call, briefly press any key, except ⌒ , ⌐ , ⏻ , and ⌰ .

Line in use—This setting (network service) is shown only if the SmartChip card supports two subscriber numbers, that is, two phone lines. Select which phone line you want to use for making calls and sending text messages. Calls on both lines can be answered irrespective of the selected line. If you select **Line 2** and have not subscribed to this network service, you will not be able to make calls. When line 2 is selected, **2** is shown in the idle mode.

☀ **Tip!** To switch between the phone lines, press and hold **#** in the idle mode.

Line change—To prevent line selection (network service), select **Disable** if supported by your SmartChip card. To change this setting, you need the PIN2 code.

Settings

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Settings

Connection

Data connections and access points

Your device supports packet data connections (network service), such as GPRS in the GSM network. When you use your device in GSM and UMTS networks, multiple data connections can be active at the same time, and access points can share a data connection. In the UMTS network, data connections remain active during voice calls.

To establish a data connection, an access point is required. You can define different kinds of access points:

- MMS access point to send and receive multimedia messages
- Access point for the Web application to view WML or XHTML pages
- Internet access point (IAP) to send and receive e-mail and connect to the Internet

Check the type of access point you need with your service provider for the service you want to access. For availability and subscription to packet data connection services, contact your network operator or service provider.

Access points

You may receive access point settings in a message from a service provider. See "Data and settings," p. 61. Some or all access points may be preset for your device by your service provider or network operator, and you may not be able to change, create, edit, or remove them. indicates a protected access point.

 indicates a packet data access point.

To create a new access point, select **Options** > **New access point**. To edit the settings of an access point, select **Options** > **Edit**. Follow the instructions from your service provider.

Connection name—Enter a descriptive name for the connection.

Data bearer—Select the data connection type.

Depending on the data connection you select, only certain setting fields are available. Fill in all fields marked with **Must be defined** or with a red asterisk. Other fields can be left empty, unless you have been instructed otherwise by your service provider.

To be able to use a data connection, the network service provider must support this feature, and if necessary, activate it for your SmartChip card.

Packet data

Follow the instructions from your service provider.

Access point name—You obtain the access point name from your network operator or service provider.

User name—The user name may be needed to make a data connection, and is usually provided by the service provider.

Prompt password—If you must enter the password every time you log in to a server, or if you do not want to save your password in the device, select **Yes**.

Password—A password may be needed to make a data connection, and is usually provided by the service provider.

Authentication—Select **Normal** or **Secure**.

Homepage—Depending on the access point you are setting up, enter the Web address or the address of the multimedia messaging center.

Select **Options** > **Advanced config.** to change the following settings:

Network type—Select the Internet protocol type to use. **IPv4 settings** or **IPv6 settings**. The other settings depend on the selected network type.

Phone IP address (for IPv4 only)—Enter the IP address of your device.

DNS address—In **Primary DNS address**, enter the IP address of the primary DNS server. In **Secondary DNS addr.**, enter the IP address of the secondary DNS server. Contact your Internet service provider to obtain these addresses.
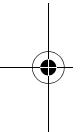
Proxy serv. address—Define the address for the proxy server.

Proxy port number—Enter the proxy port number.

Packet data

The packet data settings affect all access points using a packet data connection.

Packet data conn.—If you select **When available** and you are in a network that supports packet data, the device registers to the packet data network. Starting an active packet data connection (for example, to send and receive e-mail) is quicker. If there is no packet data coverage, the device periodically tries to establish a packet data connection. If you select **When needed**, the device uses a packet data connection only if you start an application or action that needs it.

Access point—The access point name is needed to use your device as a packet data modem to your computer.

SIP settings

SIP (session initiation protocol) settings are needed for certain network services using SIP. You may receive the settings in a special text message from your network operator or service provider. You can view, delete, or create these setting profiles in **SIP settings**.

Settings

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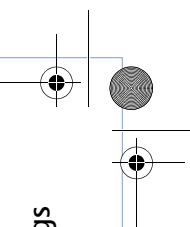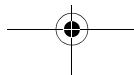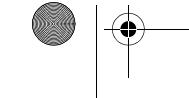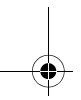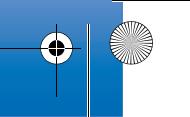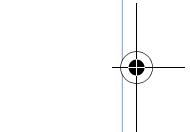
Configurations

You may receive trusted server settings from your network operator or service provider in a configuration message, or the settings may be stored on your USIM. You can save these settings to your device, view, or delete them in **Configs.**.

Date and time

See "Clock settings," p. 21, and language settings in "General," p. 99.

Security

Phone and SmartChip

PIN code request—When active, the code is requested each time the device is switched on. Deactivating the personal identification number (PIN) code request may not be allowed by some SmartChip cards. See "Glossary of PIN and lock codes," p. 105.

PIN code, **PIN2 code**, and **Lock code**—You can change the lock code, PIN code, and PIN2 code. These codes can only include the numbers from **0** to **9**. If you forget any of

these codes, contact your service provider. See "Glossary of PIN and lock codes," p. 105.

Avoid using access codes similar to the emergency numbers to prevent accidental dialing of the emergency number.

Autolock period—You can set an autolock period, a time-out after which the device automatically locks. To turn off the autolock period, select **None**.

To unlock the device, enter the lock code.

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

⚡ **Tip!** To lock the device manually, press ⓘ. A list of commands opens. Select **Lock phone**.

Lock if SChip changed—You can set the device to ask for the lock code when an unknown SmartChip is inserted into your device. The device maintains a list of SmartChip cards that are recognized as the owner's cards.

Closed user group—You can specify a group of people to whom you can call and who can call you (network service).

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

Confirm SChip services—You can set the device to display confirmation messages when you are using a SmartChip service (network service).

Glossary of PIN and lock codes

If you forget any of these codes, contact your service provider.

The personal identification number (PIN) code—protects your SmartChip card against unauthorized use. The PIN code (4 to 8 digits) is usually supplied with the SmartChip card. After three consecutive incorrect PIN code entries, the code is blocked, and you need the PUK code to unblock it.

The UPIN code—may be supplied with the USIM card. The The USIM card is an enhanced version of the SmartChip card and is supported by UMTS mobile phones.

The PIN2 code—(4 to 8 digits) is supplied with some SmartChip cards, and is required to access some functions in your device.

The lock code (also known as security code)—(5 digits) can be used to lock the device to avoid unauthorized use. The factory setting for the lock code is **12345**. To avoid unauthorized use of your device, change the lock code. Keep the new code secret and in a safe place separate from your device. If you forget the code, contact your service provider.
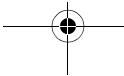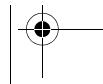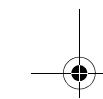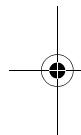
The personal unblocking key (PUK) code and PUK2 code (8 digits) are required to change a blocked PIN code or PIN2 code, respectively. If the codes are not supplied with the SmartChip card, contact the operator whose SmartChip card is in your device.

The UPUK code—(8 digits) is required to change a blocked UPIN code. If the code is not supplied with the USIM card, contact the operator whose USIM card is in your device.

Certif. management

Digital certificates do not guarantee safety; they are used to verify the origin of software.

In the certificate management main view, you can see a list of authority certificates that are stored in your device. Press [ ] to see a list of personal certificates, if available.

Digital certificates should be used if you want to connect to an online bank or another site or remote server for actions that involve transferring confidential information. They should also be used if you want to reduce the risk of viruses or other malicious software and be sure of the authenticity of software when downloading and installing software.

 Important: Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The

Settings

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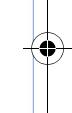
existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your device are correct.

View certificate details—check authenticity

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

You are notified if the identity of the server is not authentic or if you do not have the correct security certificate in your device.

To check certificate details, scroll to a certificate, and select **Options** > **Certificate details**. When you open certificate details, the validity of the certificate is checked, and one of the following notes may be displayed:

Certificate not trusted—You have not set any application to use the certificate. See "Change the trust settings," p. 106.

Expired certificate—The period of validity has ended for the selected certificate.

Certificate not valid yet—The period of validity has not yet begun for the selected certificate.

Certificate corrupted—The certificate cannot be used. Contact the certificate issuer.

Change the trust settings

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

Scroll to an authority certificate, and select **Options** > **Trust settings**. Depending on the certificate, a list of the applications that can use the selected certificate is shown.

Symbian installation: **Yes**—The certificate is able to certify the origin of a new Symbian operating system application.

Internet: **Yes**—The certificate is able to certify servers.

App. installation: **Yes**—The certificate is able to certify the origin of a new Java™ application.

Select **Options** > **Edit trust setting** to change the value.

Security module

To view or edit a security module (if available) in **Secur. mod.**, select the module. To view detailed information about a security module, select the module and **Options** > **Security details**.

Call forwarding

Call forwarding (network service) allows you to divert your incoming calls to your voice mailbox or another phone number. For details, contact your service provider.

Select which calls you want to divert and the desired diverting option. To divert voice calls when your number is busy or when you reject incoming calls, select **If busy**. To set the option on or off, select **Activate** or **Cancel.** To check whether the option is activated, select **Check status**.

Several diverting options can be active at the same time. When all calls are diverted, _____ is shown in the idle mode.

Call barring and call diverting cannot be active at the same time.

Call restriction

Call restriction (network service) allows you to restrict the calls that you make or receive with the device. To change the settings, you need the barring password from your service provider.

Select the desired restriction option. To set it on or off, select **Activate** or **Cancel.** To check whether the option is active, select **Check status**. **Call restriction** affects all calls, including data calls.
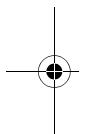
Call barring and call forwarding cannot be active at the same time.

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

Network

Your device can automatically switch between the GSM and UMTS networks. The GSM network is indicated with ⍦ in the idle mode. The UMTS network is indicated with **3G**.

Network mode (shown only if supported by the network operator)—Select which network to use. If you select **Dual mode**, the device uses the GSM or UMTS network automatically, according to the network parameters and the roaming agreements between the network operators. Contact your network operator for more details.

Operator selection—Select **Automatic** to set the device to search for and select one of the available networks, or **Manual** to manually select the network from a list of networks. If the connection to the manually selected network is lost, the device sounds an error tone and asks you to reselect a network. The selected network must have

Settings

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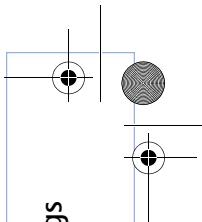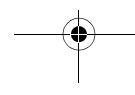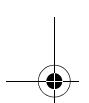
a roaming agreement with your home network, that is, the operator whose SmartChip card is in your device.

☀ **Glossary:** A roaming agreement is an agreement between two or more network service providers to enable the users of one service provider to use the services of other service providers.

Cell info display—Select **On** to set the device to indicate when it is used in a cellular network based on microcellular network (MCN) technology and to activate cell info reception.

Enhancement

In the idle mode, ∩ indicates a compatible headset is connected, and that the headset is unavailable, or a Bluetooth connectivity to a headset is lost. indicates a compatible loopset is connected and that a compatible **TTY** is connected.

Select **Headset**, **Loopset**, **TTY**, **Bluetooth handsfree**, or **Car kit** and from the following:

Default profile—Set the profile that you want activated each time you connect a certain compatible enhancement to your device. See "Profiles—set tones," p. 95.

Automatic answer—Set if you want the device to answer an incoming call automatically after 5 seconds. If the

Ringing type is set to **Beep once** or **Silent**, automatic answer is disabled. Automatic answer is not available for **TTY**.

Lights—Set whether lights remain on, or are switched off after the time-out. This setting is not available for all enhancements.

If you are using a **TTY**, you must activate it on your device. Press , and select **Settings** > **Config.** > **Enhancement** > **TTY** > **Use TTY** > **Yes**.

Voice commands

You can use voice commands to control your device. For more information about the enhanced voice commands supported by your device, see "Voice dialing," p. 73.

To activate enhanced voice commands for starting applications and profiles, you must open the **Voice cm.** application and its **Profiles** folder. Press , and select **Settings** > **Voice cm.** > **Profiles**; the device creates voice tags for the applications and profiles. To use enhanced voice commands in the idle mode, press and hold , and say a voice command. The voice command is the name of the application or profile displayed in the list. To use enhanced voice commands with the fold closed, press and hold .

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To add more applications to the list, select **Options** > **New application**. To add a second voice command that can be used to start the application, select **Options** > **Change command**, and enter the new voice command as text. Avoid very short names, abbreviations, and acronyms.

To listen to the synthesized voice tag, select **Options** > **Playback**.

To change voice command settings, select **Options** > **Settings**. To switch off the synthesizer that plays recognized voice tags and commands in the selected device language, select **Synthesizer** > **Off**. To reset voice recognition learning, for example, when the main user of the device has changed, select **Reset voice adapts.**.
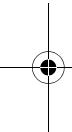
Voice aid

Voice aid reads text on the screen, allowing you to use some basic functions of your device without looking at the display. Press   , and select **Settings** > **Voice aid** and from the following functions:

Recent calls—Hear information of your missed and received calls, dialed numbers, and frequent calls.

Address Book—Hear the entries in your address book. Scroll down to to find a contact. Scroll right to open the groups list. To call a contact, press   . Do not use this
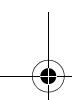
function if you have more than 500 entries in your address book.

Voice mailbox—Call your voice mailbox (network service).

Dialer—Dial a number. To enter a number, scroll up or down. When you hear the correct digit, press   . Continue to select each digit until you have entered the entire number. To call the number, press   .
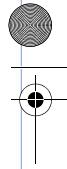
Clock—Hear the current time. To hear the date, scroll down.

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

Application manager

Press   , and select **Settings** > **App. mgr.**. You can install two types of applications and software to your device:

- J2ME™ applications based on Java technology with the extension .jad or .jar (   ).
- Other applications and software suitable for the Symbian operating system (   ). The installation files have the .sis extension. Only install software specifically designed for your Nokia device. Software providers may often refer to the official model number of this product.

Settings

109
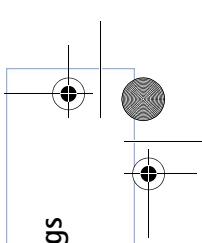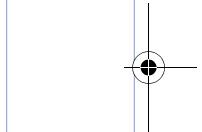
Installation files may be transferred to your device from a compatible computer, downloaded during browsing, or sent to you in a multimedia message, as an e-mail attachment, or using Bluetooth connectivity or infrared. You can use Nokia Application Installer in Nokia PC Suite to install an application to your device. If you use Microsoft Windows Explorer to transfer a file, save the file to a compatible memory card (local disk).

Install applications and software

 indicates a .sis application, a Java application, that the application is not fully installed,and that the application is installed on the memory card.

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

Preinstallation

Before installation, note the following:

To view the application type, version number, and the supplier or manufacturer of the application, select **Options** > **View details**.

To display the security certificate details of the application, select **Options** > **View certificate**. See "Certif. management," p. 105.

If you install a file that contains an update or repair to an existing application, you can only restore the original application if you have the original installation file or a full back-up copy of the removed software package. To restore the original application, remove the application, and install the application again from the original installation file or the back-up copy.

The .jar file is required for installing Java applications. If it is missing, the device may ask you to download it. If there is no access point defined for the application, you are asked to select one. When you are downloading the .jar file, you may need to enter a user name and password to access the server. You obtain these from the supplier or manufacturer of the application.

Installation

1 To locate an installation file, press , and select **Settings** > **App. mgr.**. Alternatively, search the device memory or a compatible memory card (if inserted) in **File mgr.**, or open a message in **Messag.** > **Inbox** that contains an installation file.
2 In **App. mgr.**, select **Options** > **Install**. In other applications, select the installation file to start the installation.
During installation, the device shows information about the progress of the installation. If you are installing an application without a digital signature or certification, the device displays a warning. Continue

installation only if you are sure of the origin and contents of the application.

To start an installed application, select it in the menu.

To start a network connection and to view extra information about the application, select **Options** > **Go to web address**, if available.

To see what software packages are installed or removed and when, select **Options** > **View log**.

To send your installation log to a help desk so that they can see what is installed or removed, select **Options** > **Send log** > **Via text message** or **Via e-mail** (available only if the correct e-mail settings are in place).

 Important: Your device can only support one antivirus application. Having more than one application with antivirus functionality may affect performance and operation or cause the device to stop functioning.

Remove applications and software

Scroll to a software package, and select **Options** > **Remove**. Select **Yes** to confirm.

If you remove software, you can only reinstall it if you have the original software package or a full backup of the removed software package. If you remove a software package, you may no longer be able to open documents created with that software.

If another software package depends on the software package that you removed, the other software package may stop working. Refer to the documentation of the installed software package for details.

Settings

Select **Options** > **Configuration** and from the following:

Software installation—Select **Signed only** to only install applications with verified digital signatures.

Online certif. check—Select to check the online certificates before installing an application.

Default web address—Set the default address used when checking online certificates.

Some Java applications may require a phone call, a message to be sent, or a network connection to a specific access point for downloading extra data or components. In the **App. mgr.** main view, scroll to an application, and select **Options** > **Suite settings** to change settings related to that specific application.

Speech

In **Speech** you can select the language and voice used for reading messages. Press , and select **Settings** >

Settings

Speech > **Language** or **Voice**. To adjust the speed and volume of the speech, select **Voice settings**.

The voice is language-dependent. When you change the language, the voice changes to the default voice for the language. Select another voice for the language, if desired.

To view the voices available for the selected language, scroll right. To play a voice, view information about a voice, or delete a voice, select **Options** > **Play voice**, **Voice details**, or **Delete**.

Bluetooth connectivity

You can connect wirelessly to other compatible devices with wireless Bluetooth technology. Compatible devices may include mobile phones, computers, and enhancements such as headsets and car kits. You can use Bluetooth connectivity to send images, video clips, music and audio, and notes; connect wirelessly to your compatible PC (for example, to transfer files); connect to a compatible printer to print images with **Image print**. See "Print images," p. 48.

Since devices with Bluetooth wireless technology communicate using radio waves, your device and the other device do not need to be in direct line-of-sight. The two devices only need to be within 10 meters (33 feet) of each other, but the connection may be subject to interference from obstructions such as walls or from other electronic devices.

This device is compliant with Bluetooth Specification 2.0 supporting the following profiles: Basic Printing Profile, Generic Access Profile, Serial Port Profile, Dial-up Networking Profile, Headset Profile, Handsfree Profile, Generic Object Exchange Profile, Object Push Profile, File Transfer Profile, Basic Imaging Profile, SmartChip Access profile, and Human Interface Device Profile. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

Glossary: A profile corresponds to a service or a function, and defines how different devices connect. For example, the Handsfree Profile is used between the handsfree device and the mobile device. For devices to be compatible, they must support the same profiles.

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

Features using Bluetooth technology, or allowing such features to run in the background while using other

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features, increase the demand on battery power and reduce the battery life.

When the device is locked, you cannot use Bluetooth connectivity. See "Security," p. 104 for more information on locking the device.

Settings

Press , and select **Settings** > **Bluetooth**. When you open the application for the first time, you are asked to define a name for your device. After you set Bluetooth connectivity on and change **My phone's visibility** to **Shown to all**, your device and this name can be seen by other users with devices using Bluetooth wireless technology.

Select from the following:

Bluetooth—Select **On** or **Off**. To connect wirelessly to another compatible device, set Bluetooth connectivity **On**, then establish a connection.

My phone's visibility—To allow your device to be found by other devices with Bluetooth wireless technology, select **Shown to all**. To hide it from other devices, select **Hidden**.

My phone's name—Edit the name of your device.

Remote SChip mode—To enable another device, such as a compatible car kit enhancement, to use the SmartChip in your device to connect to the network, select **On**.
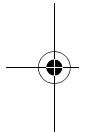
Remote SmartChip mode

To use the remote SmartChip mode with a compatible car kit enhancement, set Bluetooth connectivity on, and enable the use of the remote SmartChip mode with your device. Before the mode can be activated, the two devices must be paired and the pairing initiated from the other device. When pairing, use a 16-digit passcode, and set the other device as authorized. See "Pair devices," p. 114. Activate the remote SmartChip mode from the other device.

When remote SmartChip mode is on in your device, **Remote SChip** is displayed in the idle mode. The connection to the wireless network is turned off, as indicated by in the signal strength indicator area, and you cannot use SmartChip services or features requiring cellular network coverage.

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

To leave the remote SmartChip mode, press the power key, and select **Exit rem. SChip mode**.

Settings

113
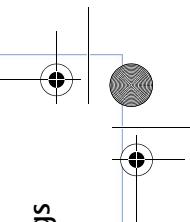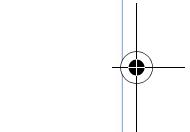
Security tips

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

Do not pair with an unknown device.

Send data using Bluetooth connectivity

Several Bluetooth connections can be active at a time. For example, if you are connected to a compatible headset, you can also transfer files to another compatible device at the same time.

Bluetooth connectivity indicators
- When ⃰ is shown in the idle mode, Bluetooth connectivity is on.
- When (⃰) is blinking, your device is trying to connect with another device.
- When (⃰) is shown continuously, data is being transmitted using Bluetooth connectivity.
- ☼ **Tip!** To send text using Bluetooth connectivity, select **Notes**, write the text, and select **Options** > **Send** > **Via Bluetooth**.

1   Open the application where the item you want to send is stored. For example, to send an image to another compatible device, select **My Stuff**.

2   Select the item and **Options** > **Send** > **Via Bluetooth**. Devices with Bluetooth wireless technology within range start to appear on the display.
Device icons: ▯ computer, ▯ phone, ◖ audio or video device, and ⚬ other device.
To interrupt the search, select **Stop**.
3   Select the device with which you want to connect.
4   If the other device requires pairing before data can be transmitted, a tone sounds, and you are asked to enter a passcode. See "Pair devices," p. 114.
5   When the connection has been established, **Sending data** is shown.

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

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

Pair devices

To open the paired devices view (⃰ʺ⃰), in the **Bluetooth** application main view, press ▯.

Before pairing, create your own passcode (1—16 digits), and agree with the owner of the other device to use the same code. Devices that do not have a user interface have a factory-set passcode. The passcode is used only once.

To pair with a device, select **Options** > **New paired device**. Devices with Bluetooth wireless technology within range start to appear on the display. Select the device, and enter the passcode. The same passcode must be entered on the other device as well. After pairing, the device is saved to the paired devices view.

Paired devices are indicated by 🔱 in the device search.

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

Set as authorized—Connections between your device and this device can be made without your knowledge. No separate acceptance or authorization is needed. Use this status for your own devices, such as your compatible headset or PC, or devices that belong to someone you trust. 📵 indicates authorized devices in the paired devices view.

Set as unauthorized—Connection requests from this device must be accepted separately every time.

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

 ☀ **Tip!** If you are currently connected to a device and delete the pairing with that device, pairing is removed immediately, and the connection to the device is switched off.
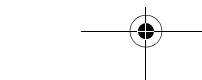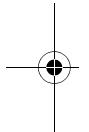
Receive data using Bluetooth connectivity

When you receive data through Bluetooth connectivity, a tone sounds, and you are asked if you want to accept the message. If you accept, ✉ is shown, and the item is placed in the **Inbox** folder in **Messag.**. Messages received through Bluetooth connectivity are indicated by 📶 . See "Inbox—receive messages," p. 60.

Switch off Bluetooth connectivity

To switch off Bluetooth connectivity, select **Bluetooth** > **Off**.

Infrared connection

With infrared, you can transfer data such as business cards, calendar notes, and media files with a compatible device.

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

Settings

115
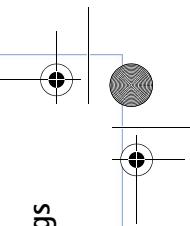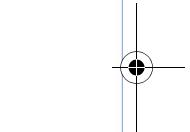
Send and receive data using infrared

1 Make sure that the infrared ports of the sending and receiving devices are pointing at each other, and that there are no obstructions between the devices. The preferable distance between the two devices is up to 1 meter (3 feet).

2 The user of the receiving device activates the infrared port.

To activate the infrared port of your device to receive data through infrared, press , and select **Settings** > **Infrared**.

3 The user of the sending device selects the desired infrared function to start the data transfer.

To send data through infrared, locate the desired file in an application or the file manager, and select **Options** > **Send** > **Via infrared**.

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

All items received through infrared are placed in the **Inbox** folder in **Messaging**. New infrared messages are indicated by .

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

When is shown continuously, the infrared connection is active, and your device is ready to send and receive data using its infrared port.

Data cable

You can connect your device to a compatible PC using a USB data cable. With data cable connectivity, you can use Nokia PC Suite and transfer music or other data, such as image files, between your device and the PC. To change the device type you normally connect to your device press , and select **Settings** > **Data cbl.**

In **Data cable mode**, select from the following:

- **Media player** - to connect to a compatible media player.
- **PC Suite** - to connect to Nokia PC Suite.
- **Data transfer** - to connect to a compatible PC to access and transfer data, such as audio or image files.
- **Image print** - to connect to Image print.

To have the device ask the purpose of the connection each time the cable is connected, select **Ask on connection**.

PC connections

You can use your device with a variety of compatible PC connectivity and data communications applications. With Nokia PC Suite you can, for example, transfer images between your device and a compatible PC.

Always create the connection from the PC to synchronize with your device.

To connect your device to a compatible PC using infrared, press [ ]. Make sure that the infrared ports of your device and PC are directly facing each other, and that there are no obstructions between the devices. See "Infrared connection," p. 115

To connect your device to a PC using Bluetooth connectivity, initiate the connection from the PC. To activate Bluetooth connectivity in your device, press ,
and select **Settings** > **Bluetooth** and **Bluetooth** > **On**. See "Bluetooth connectivity," p. 112.

To connect your device to a compatible PC using a USB data cable, initiate the connection from the PC.

Detailed installation instructions can be found in the user guide for Nokia PC Suite.

 Tip! When using Nokia PC Suite for the first time, to connect your device to a compatible PC and to use Nokia PC Suite, use the Get Connected wizard available in Nokia PC Suite.
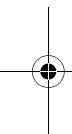
Connection manager

Press , and select **Settings** > **Conn. mgr.**. To view the status of data connections or end connections in GSM and UMTS network, select **Act. data conn.**.

Data connections

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

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

To end a connection, select **Options** > **Disconnect**. To close all open connections, select **Options** > **Disconnect all**.

To view the details of a connection, select **Options** > **Details**. The details shown depend on the connection type.

Synchronization

Press , and select **Settings** > **Sync**. **Sync** enables you to synchronize your **Notes**, **Calendar**, or **Addr. Book** with
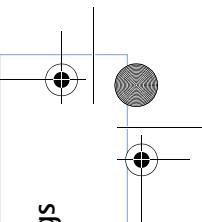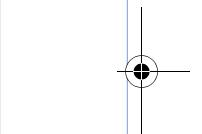
various compatible calendar and address book applications on a compatible computer or on the Internet. You can also create or edit synchronization settings.

The synchronization application uses SyncML technology for synchronization. For information on SyncML compatibility, contact the supplier of the application with which you want to synchronize your device data.

You may receive synchronization settings in a special text message. See "Data and settings," p. 61.

Synchronize data

In the **Sync** main view, you can see the different synchronization profiles.

1 Select a synchronization profile and **Options** > **Synchronize**. The status of the synchronization is shown on the display.
To cancel synchronization before it finishes, select **Cancel**.

2 You are notified when the synchronization is complete. Select **Yes** to view the log file showing the synchronization status and how many entries have been added, updated, deleted, or discarded (not synchronized) in your device or on the server.

Device manager

To connect to a server and receive configuration settings for your device, to create new server profiles, or to view and manage existing server profiles, press   , and select **Settings** > **Dev. mgr.** and scroll right. The available options may vary.

You may receive server profiles and different configuration settings from your network operator, service providers, and company information management department. These configuration settings may include connection and other settings used by different applications in your device.

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

Start configuration—to connect to the server and receive configuration settings for your device

New server profile—to create a server profile

Edit profile—to change the profile settings

View log—to view the configuration log of the profile

To delete a server profile, scroll to it, and press   .

Server profile settings

Contact your service provider for the correct settings.

Server name—Enter a name for the configuration server.

Server ID—Enter the unique ID to identify the configuration server.

Server password—Enter a password to identify your device to the server.

Access point—Select an access point to be used when connecting to the server.

Host address—Enter the URL address of the server.

Port—Enter the port number of the server.

User name and **Password**—Enter your user name and password.

Allow configuration—To allow receiving configuration settings from the server, select **Yes**.

Auto-accept all reqs.—To have your device to ask for your confirmation before accepting a configuration from the server, select **No**.

Network authentic.—Select if network authentication is used.

Network user name and **Network password**—Enter your network user name and password to identify your device to the server. These options are shown only if network authentication is used.
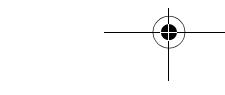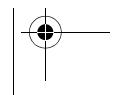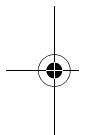
Software updates

 Note: This functionality may not be available in your device. Contact your service provider for more information.

To view or update the current software version of your device, or to check the date of a possible previous update, press and select **Settings** > **Dev. mgr.**.

To check whether software updates are available, select **Options** > **Check updates**.

Make sure that the battery of your device has enough power or connect the charger before starting the update. To start the update, select access point. The device starts to download the device data.

When the data is downloaded, the update description is displayed. Select **Accept** to accept the download of the update package or **Cancel** to cancel the download. The download may take several minutes. You can use your device during the download.

 Note: If you install a software update, you cannot use the device, even to make emergency calls, until the installation is completed and the device restarted. Be sure to backup data before accepting the installation of an update.

Select **Yes** to install the update or **No** to install it later by selecting **Options** > **Install update**. The update may take

Settings

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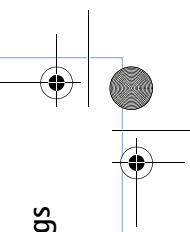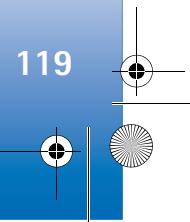
several minutes. Select **Accept** to accept the update. The device updates the software and restarts. To complete the update, select **OK**. To send the software update status to server, select access point.

If there are problems with the installation, contact your network operator or service provider.

To view the server profile settings used for software updates, select **Options** > **Settings**.

The available options may vary.

Troubleshooting: Q&A

Access codes

Q: What is my password for the lock, PIN, or PUK codes?

A: The default lock code is **12345**. If you forget or lose the lock code, contact your device dealer.
If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your network operator.
For information about passwords, contact your access point provider, for example, a commercial Internet service provider (ISP), service provider, or network operator.

Application not responding

Q: How do I close an application that is not responding?

A: To open the application switching window, press and hold ⌂ . Scroll to the application, and press ⊏ to close the application.

Bluetooth connectivity

Q: Why can't I find my friend's device?

A: Check that both devices have activated Bluetooth connectivity.
Check that the distance between the two devices is not over 10 meters (33 feet) and that there are no walls or other obstructions between the devices.
Check that the other device is not in hidden mode.
Check that both devices are compatible.

Q: Why can't I end a Bluetooth connection?

A: If another device is connected to your device, you can either end the connection using the other device or by deactivating Bluetooth connectivity. Select **Connect.** > **Bluetooth** > **Off**.

Browser services

Q: What do I do if the following message is displayed: **No valid access point defined. Define one in Services settings.**?

A: Insert the correct browser settings. Contact your service provider for instructions.

Camera

Q: Why do images look smudgy?

A: Remove the protective plastic films covering the display and camera. Ensure that the camera lens protection window is clean.

Display

Q: Why do missing, discolored, or bright dots appear on the screen every time I turn on my device?

A: This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.

Log

Q: Why does the log appear empty?

A: You may have activated a filter, and no communication events fitting that filter have been logged. To see all events, select **Settings** > **Log** > **Options** > **Filter** > **All communication**.

Memory low

Q: What can I do if my device memory is low?

A: You can delete the following items regularly to avoid memory getting low:

- Messages from **Inbox**, **Drafts**, and **Sent** folders in **Messag.**
- Retrieved e-mail messages from the device memory
- Saved browser pages
- Images and photos in **My Stuff**

  To delete contact information, calendar notes, call timers, call cost timers, game scores, or any other data, go to the respective application to remove the data. If you are deleting multiple items and one of the following notes are shown: **Not enough memory to perform operation. Delete some data first.** or **Memory low. Delete some data.**, try deleting items one by one (starting from the smallest item).

Q: How can I save my data before deleting it?

A: Save your data using one of the following methods:

- Use Nokia PC Suite to make a backup copy of all data to a compatible computer.
- Send images to your e-mail address, then save the images to your computer.

- Send data using Bluetooth connectivity to a compatible device.
- Store data on a compatible memory card.

Messaging

Q: Why can't I select a contact?

A: The contact card does not have a phone number or an e-mail address. Add the missing information to the contact card in **Addr. Book**.

Multimedia messaging

Q: What should I do when the device cannot receive a multimedia message because memory is full?

A: The amount of memory needed is indicated in the error message: **Not enough memory to retrieve message. Delete some data first.** To view what kind of data you have and how much memory the different data groups consume, select **File manager** > **Options** > **Check memory**.

Q: The note **Retrieving message** is shown briefly. What is happening?

A: The device is trying to retrieve a multimedia message from the multimedia messaging center.
Check that the settings for multimedia messaging are defined correctly and that there are no mistakes in phone numbers or addresses. Select **Messaging** > **Options** > **Settings** > **Multim. msg.**.

Q: How can I end the data connection when the device starts a data connection again and again?

A: To stop the device from making a data connection, select **Messaging** and one of the following:
On receiving msg. > **Defer retrieval**—To have the multimedia messaging center save the message to be retrieved later, for example, after you have checked the settings. After this change, the device still needs to send information notes to the network. To retrieve the message now, select **Retr. immediately**.
On receiving msg. > **Reject message**—To reject all incoming multimedia messages. After this change, the device needs to send information notes to the network, and the multimedia messaging center deletes multimedia messages that are waiting to be sent to you.
Multimedia recept. > **Off**—To ignore all incoming multimedia messages. After this change, the device does not make any network connections related to multimedia messaging.

PC connectivity

Q: Why do I have problems in connecting the device to my PC?

A: Make sure that Nokia PC Suite is installed and running on your PC. See the user guide for Nokia PC Suite on the CD-ROM. For further information on how to use Nokia PC Suite, see the help function on Nokia PC Suite or visit the support pages at www.nokia.com.

Enhancements

If you want to enhance phone functionality, a range of enhancements is available for you. You can select any of these items to help accommodate your specific communication needs.

For availability of these and other enhancements, contact your dealer.

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 or AC-5 charger, and from an AC-1, ACP-8, ACP-12, LCH-9, or LCH-12 charger when used with the CA-44 charger adapter.

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

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

A few practical rules about accessories and enhancements.

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

Power
- Battery, 800 mAh (**BL-5BT**)
- Travel Charger (**AC-4**)
- Travel Charger (AC-5)
- Compact Charger (AC-3)
- Charger Adapter (CA-44)

Data
- Connectivity Cable (**CA-53**)
- Wireless GPS Module (LD-3W)
- Charging Data Cable (CA-70)
- MicroSD Cards (**128MB - MU-26**, 256MB - MU-27, 512MB - MU-28, 1GB - MU-22, 2GB - MU-37)
- TTY Adapter (HDA-10)

Audio
- Headsets (HS-20, **HS-28**, HS-23, HS-31, HS-5, HS-29, HS-69)
- Wireless Headsets (HS-21W, HS-24W, HS-25W, HS-26W, HS-36W, HS-50W, HS-51W, HS-57W, HS-58W, HS-59W)
- Inductive Loopset (LPS-4)
- Audio Adapter (**AD-41**, AD-46, AD-15, AD-45)

Messaging
- Wireless Keyboard (SU-8W)
- Digital Pen (SU-27W)
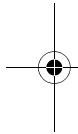
Music
- Music stand (MD-1)
- Music Headphone (HS-61)
- Active Music Headphone (HS-62)

Carrying
- Protective pouch (**CL-1**)
- Wrist Strap (**CP-134**)
- Carrying Case (CP-108, CP-109, CP-110)

Car
- Mobile Charger (DC-4)
- Wireless Plug-in Car Handsfree (HF-6W, HF-33W)
- Wireless Car Kits (CK-7W, CK-20W)
- Navigation pack (LD-2)
- Universal Holder (CR-39)

Enhancements

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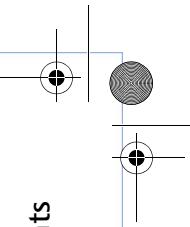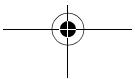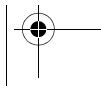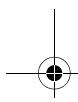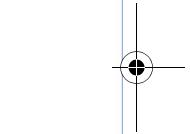
Battery information

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 begin charging the battery.

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

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

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

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

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

The BL-5BT battery provides up to 132 minutes (WCDMA) / 250 minutes (GSM) of talk time and up to 200 hours (WCDMA) / 200 hours (GSM) of standby time. Battery talk and standby times are estimates only and depend on signal strength, network conditions, features used, battery age and condition, temperatures to which battery is exposed, and many other factors. The amount of time a phone is used for calls will affect

its standby time. Likewise, the amount of time that the phone is turned on and in standby mode will affect its talk time.

Nokia battery authentication guidelines

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

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

Authenticate hologram

1   When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.
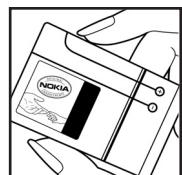
2   When you angle the hologram left, right, down, and up, you should see 1, 2, 3, and 4 dots on each side respectively.
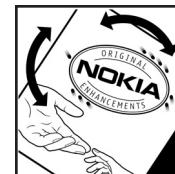
3   Scratch the side of the label to reveal a 20-digit code, for example 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
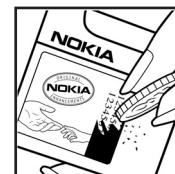
4   Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.

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

Battery information

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Battery information

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.

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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 addresses and calendar notes) before sending your device to a service facility.
- To reset the device from time to time for optimum performance, power off the device, and remove the battery. Make back-up copies of all important data.

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.

Care and maintenance

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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 1.5 centimeters (5/8 inch) from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

To transmit data files or messages, this device requires a 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 that the above separation distance instructions are followed until the transmission is completed.

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

Medical devices

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

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

- always keep the device more than 15.3 centimeters (6 inches) from their pacemaker;
- not carry the device in a breast pocket;
- hold the device to the ear opposite the pacemaker to minimize the potential for interference.

If you suspect interference, switch off your device, and move the device away.

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

Vehicles

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

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

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.
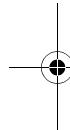
Potentially explosive environments

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.

Additional safety information

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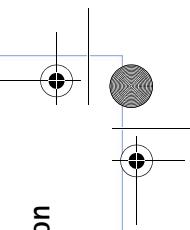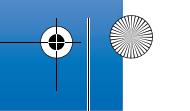
Additional safety information

To make an emergency call:

1 If the device is not on, switch it on. Check for adequate signal strength.
Some networks may require that a valid SmartChip is properly inserted in the device.
2 Press the end key as many times as needed to clear the display and ready the device for calls.
3 Enter the official emergency number for your present location. Emergency numbers vary by location.
4 Press the call key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. Consult this guide or your service provider for more information.

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

Certification information (SAR)

THIS MOBILE DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES.

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

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.68 W/kg.

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

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over 1 gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.43 W/kg and when properly worn on the body is 0.78 W/kg. Information about this device model can be found at www.fcc.gov/oet/fccid by searching the equipment authorization system using FCC ID: QURRM-128.

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Technical information

Feature	Specification
Weight	4.36 oz (123.5 g) with BL-5BT Li-Ion Battery
Size	Volume: 5.68 in³ (93.0 cm³) Length: 3.74 in (95 mm) Width: 2.05 in (52 mm) Thickness: 0.80 in (20.2 mm) with camera
Frequency range	GSM 850: 824–849 MHz (TX), 869–894 MHz (RX) GSM 900: 880–915 MHz (TX), 925–960 MHz (RX) GSM 1800: 1710–1785 MHz (TX), 1805–1880 MHz (RX) GSM 1900: 1850–1910 MHz (TX), 1930–1990 MHz (RX) UMTS 850: 824–849 MHz (TX), 869–894 MHz (RX) UMTS 1900: 1850–1910 MHz (TX), 1930–1990 MHz (RX)
Transmitter output power	Up to 2 W
Battery voltage	3.7 V dc
Operating temperature	59°F to + 77°F (15°C to + 25°C)

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