the self-timer is activated, a maximum of six pictures can be captured.

The pictures are automatically saved in Gallery.

You in the picture—self-timer

Use the self-timer to delay the taking of a picture so that you can include yourself in the picture. To set the self-timer delay, select Options > Activate self-timer > 10 seconds, 20 seconds, or 30 seconds. To activate the self-timer, select Activate. The self-timer indicator ( ) blinks, and the device beeps when the timer is running. The camera takes the picture after the selected delay has elapsed. You can also use the Activate self-timer in the sequence mode. See "Take pictures in a sequence," p. 39.

The flash

Keep a safe distance when using the flash. Do not use the flash on people or animals at close range. Do not cover the flash while taking a picture.

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

Select Options > Image setup > Flash > Forced to use the flash.

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

Adjust still image camera settings

There are two kinds of settings for the still image camera: Image setup settings and main settings. To adjust Image setup settings, see "Adjust color and lighting," p. 41. The setup settings return to the default settings after you close the camera, but the main settings remain the same until you change them again. To change the main settings, select Options > Settings and from the following:

Image quality—Print, E-mail, or MMS. The better the image quality, the more memory the image consumes. The quality of a zoomed picture is lower than that of a non-zoomed picture. If you want to print the image, select Print (resolution 1600x1200). If you want to send it through e-mail, select E-mail (resolution 800x600). To send the image through MMS, select MMS (resolution 640x480).

Resolution is a measure of sharpness and clarity of an image. Resolution refers to the number of pixels in an image. The more pixels, the more detailed the picture is, and the more memory it consumes.

Add to album—Select whether you want to save the image to a certain album in the gallery. If you select Yes, a list of available albums opens.

Show captured image—Select Yes if you want to see the captured image after it is taken, or No if you want to continue taking pictures immediately.

Memory in use—Select where to store your images.

Adjust color and lighting

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

Scene—Select a scene for the environment in which you take pictures. See "Scenes," p. 41. Every scene uses its own lighting settings that have been adjusted according to a certain kind of environment.

Flash (images only)—Set the flash to Automatic, Forced, or Off. See "The flash," p. 40.

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

Color tone—Select a color effect from the list.

The display changes to match any settings made, showing you how the change affects the pictures or videos.

The settings return to the default settings when you close the camera. If you select a new scene, the settings are replaced by the settings of the selected scene. See "Scenes," p. 41. If you need to change the setup settings, you can change them after selecting a scene.

Scenes

A scene helps you to find the right color and lighting settings for the current environment. Select a scene for taking pictures or recording video clips from a scenes list. The settings of each scene have been set according to a certain style, or environment in which the pictures are taken. Select Options > Image setup/Video setup > Scene:

Video scenes

Normal ( )(default)—Use this scene in all conditions.

Night ( )—Use this scene in low light conditions.

Image scenes

Automatic ( ) (default)—Use this scene in all conditions.

User defined ( )—Use this scene to create a personalized scene with your own flash, white balance, and color tone settings.

Portrait (▮)—Use this scene to take portrait pictures, such as head shots and sitting poses.

Landscape (▲)—Use this scene when you take pictures of objects that are further away.

Night (◖)—Use this scene in low light conditions.

Sports (▨)—Use this scene to take pictures of fast moving objects. When you use this scene, the resolution of the images is reduced from 1600x1200 to 800x600. See "Adjust still image camera settings," p. 40.

When taking pictures, the default scene is **Automatic**. If you select the **User defined** scene, however, it is set as the default scene.

To make your own scene suitable for a certain environment, select **User defined** scene. In the user scene you can adjust **Based on scene**, **Flash**, **White balance**, **Color tone**, and **Reset user scene** options. To copy the settings of another scene, select **Based on scene** and the desired scene.

Edit images

To edit the pictures after taking them, or the ones already saved in **Gallery**, select **Options** > **Edit**.

Select **Apply effect** to crop and rotate the image; adjust the brightness, color, contrast, compression, and resolution; and add effects, text, clip art, or a frame to the picture.

To crop an image, select **Options** > **Apply effect** > **Crop**. A cross appears in the upper right corner of the image. Scroll to select the area to crop, and select **Set**. Another cross appears on the lower left corner. Select **Crop**. The selected areas form a rectange, which forms the cropped image.

To add clip art to an image, select **Options** > **Apply effect** > **Clip-art**. Select the item you want to add from the list, and press ⦿. To move, rotate, and change the size of the item, select **Options** > **Move**, **Resize**, or **Rotate**.

To add text to an image, select **Options** > **Apply effect** > **Text**. Enter the text, and select **OK**. To edit the text, select **Options** > **Move**, **Resize**, **Rotate**, or **Select color**.

Shortcuts in the image editor:
- To view an image in full screen, press ∗ . To return to the normal view, press ∗ again.
- To zoom in or out, press **5** and **0** .

Record videos

To move between still image and video capture, select **Options** > **Image mode** or **Video mode**. Open the **Video mode**.

To make lighting and color adjustments before recording a video, select Options > Video setup > Scene, White balance, or Color tone. See "Adjust color and lighting," p. 41.

To select a scene, select Options > Video setup > Scene. See "Scenes," p. 41.

1   Press ⊙ to start recording. The record icon ● is shown. The LED flash is lit, and a tone sounds, indicating to the subject that video is being recorded. There is no flash effect on the resultant video.
2   To pause recording at any time, select Pause. The pause icon ▮▮ blinks on the display. Video recording automatically stops if recording is set to pause and there are no keypresses within a minute.
3   Select Continue to resume recording.
4   Select Stop to stop recording. The video clip is automatically saved to the Images & video folder of Gallery. See "Gallery," p. 46.

Video recorder indicators show the following:

- The device memory (▤) and memory card (▯) indicators (1) show where the video is saved.
- The current video length indicator (2) shows elapsed time and time remaining.
- The scene indicator (3) shows the active scene. See "Scenes," p. 41.
- The microphone indicator (4) shows that the microphone is muted.
- The night mode indicator (5) shows that night mode is active.

After a video clip is recorded:
- To immediately play the video clip you just recorded, select Options > Play.
- If you do not want to keep the video, press ⌐ .
- To return to the viewfinder to record a new video, press ⊙ .
- To send the video Via multimedia, Via e-mail, or Via Bluetooth, press ⌐ . For more information, see "Messaging," p. 54 and "Bluetooth connection," p. 88. This option is not available during an active call.
- To send a video clip to the other party during an active call, select Options > Send to caller.

- To edit the video, select *Options* > *Edit*. See "Edit video clips," p. 44.

Video settings

There are two kinds of settings for the video recorder: *Video setup* settings and main settings. To adjust *Video setup* settings, see "Adjust color and lighting," p. 41. The setup settings return to the default settings after you close the camera, but the main settings remain the same until you change them again. To change the main settings, select *Options* > *Settings* and from the following:

Audio recording—Select *On* if you want to record both image and sound.

Video quality—Set the quality of the video clip to *High*, *Normal*, or *Sharing*. If you select *High* or *Normal*, the length of the video recording is restricted by the available space on your memory card, and up to 1 hour per clip. If you want to view the video on a TV or PC, select *High* video quality, which has CIF resolution (352x288) and the .mp4 file format.

You cannot send video clips saved in the .mp4 format in a multimedia message. If you want to view the clip in mobile phones, select *Normal*, which has QCIF resolution (176x144) and the .3gp file format. To send the video clip through MMS, select *Sharing* (QCIF resolution, .3gp file format).

The video clip is limited to 300 KB (about 20 seconds in duration) so that it can be conveniently sent as a multimedia message to a compatible device. Some networks, however, may only support sending of multimedia messages with a maximum size of 100 kB. Contact your service provider for more information.

Add to album—Select whether you want to save the recorded video clip to a certain album in *Gallery*. Select *Yes* to open a list of available albums.

Show captured video—Select whether you want the recorded video clip to play automatically after the recording stops.

Memory in use—Define the default memory store: device memory or memory card.

Edit video clips

You can edit video clips in *Gallery*.

To edit video clips and create custom video clips, scroll to a video clip, and select *Options* > *Edit*. To create custom video clips, combine and trim video clips, and add images, sound clips, transitions, and effects. Transitions are visual effects that you can add in the beginning and end of the video or between the video clips.

In the video editor you can see two timelines: video clip timeline and sound clip timeline. If you add images, text,

or transitions to a video clip, they are shown on the video clip timeline. To move on the timelines, scroll left or right. To switch between the timelines, scroll up or down.

Edit video, sound, image, text, and transitions

To create custom video clips, mark and select one or more video clips, and select Options > Edit.

Press ⊙ and ⊙ to move between the video clip and the sound clip.

To modify the video, select from the following options:

Edit video clip:

Cut—Trims the video clip in the Cut video clip view.

Add color effect—Inserts a color effect on the video clip.

Use slow motion—Slows the speed of the video clip.

Mute sound/Unmute sound—Mutes or unmutes the original video clip sound.

Move—Moves the video clip to the selected location.

Remove—Removes the video clip from the video.

Duplicate—Makes a copy of the selected video clip.

Edit text (shown only if you have added text)—To move, remove or duplicate text; change the color and style of the text; define how long it stays on the screen; and add effects to the text.

Edit image (shown only if you have added an image)—To move, remove or duplicate an image; define how long it stays on the screen; and set a background or a color effect to the image.

Edit sound clip:

Cut—Trims the sound clip in the Cut sound clip view.

Move—Moves the sound clip to the selected location.

Remove—Removes the sound clip from the video.

Duplicate—Makes a copy of the selected sound clip.

Set duration—Changes the length of the sound clip.

Edit transition—There are three types of transitions: at the start of a video, at the end of a video, and transitions between video clips. A start transition can be selected when the first transition of the video is active.

Insert:

Video clip—Inserts the selected video clip. A thumbnail of the video clip is shown in the main view. A thumbnail consists of the first nonblack view of the video
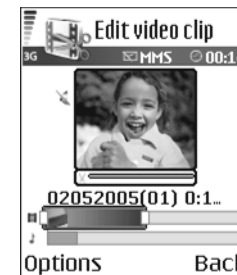
clip. The name and length of the selected video clip is also shown.

Image—Inserts the selected image. A thumbnail of the image is shown in the main view.

Text—Inserts text to the video clip. You can insert a title, subtitle, or credits.

Sound clip—Inserts the selected sound clip. The name and length of the selected sound clip is shown in the main view.

New sound clip—Records a new sound clip to the selected location.

Movie—Preview the movie in the full screen mode or as a thumbnail, save or send the movie, or cut the movie to a proper size for sending it in a multimedia message.

To take a snapshot of a video clip, select **Options** > **Take snapshot** in the thumbnail Preview view or in the Cut video view.

To save your video, select **Options** > **Movie** > **Save**. To define the **Memory in use**, select **Options** > **Settings**. The default is the device memory.

In the **Settings** view, you can define **Default video name**, **Default sc. shot name**, **Resolution**, and **Memory in use**.

Select **Send** > **Via multimedia**, **Via e-mail**, or **Via Bluetooth** if you want to send the video. Contact your

service provider for details of the maximum multimedia message size that you can send. If your video is too large to send in a multimedia message, ✉ appears.

If you want to send a video clip that is over the maximum multimedia message size allowed by your service provider, you can send the clip using Bluetooth. See "Send data using Bluetooth wireless technology," p. 89. You can also transfer your videos using Bluetooth into a PC that has Bluetooth wireless technology, or by using a memory card reader (enhancement).

Gallery

To store and organize your images, video clips, sound clips, playlists, and streaming links, press , and select **Gallery**. To open the gallery from the **Camera** application, select **Options** > **Go to Gallery**. In **Camera**, only the **Images & video** folder is available.

To switch from **Gallery** to the camera, select **Camera**.

Select **Images & video** , **Tracks** , **Sound clips** , **Links** , or **All files** , and press to open it.

You can browse and open folders; and mark, copy, and move items to folders. Sound clips, video clips, .ram files, and streaming links are opened and played in the RealPlayer application. See "RealPlayer," p. 50. You can also create albums; and mark, copy, and add items to albums. See "Albums," p. 48.

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

Press to open a file. Videos, music, and sound clips open in **RealPlayer**. See "View images and video clips," p. 47.

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

Gallery

Images & video

Tracks

Sound clips

Links

Options   Exit

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

View images and video clips

Pictures taken and video clips recorded with the camera are stored in the **Images & video** folder in **Gallery**. The quality of a video clip is indicated with one of the following icons: (High), (Normal), and (Sharing). Images and video clips can also be sent to you in a multimedia message, as an e-mail attachment, or through a Bluetooth connection. To be able to view a received image or video clip in the gallery or in the media player, you must save it in the device memory or on a memory card.

Open the **Images & video** folder in **Gallery**. The images and video clip files are in a loop, and ordered by date. The number of files can be seen on the display. To browse the files, scroll left or right. Press and hold or to browse the files in a continuous loop.

To edit an image or a video clip, select **Options** > **Edit**. An image editor or a video editor opens.

To save memory space after you print or upload your images, and still keep a small version of the image on your device, select Options > Shrink.

To add an image or a video clip to an album in the gallery, select Options > Add to album. See "Albums," p. 48.

To create custom video clips, select a video clip, or several clips, in the gallery, and select Options > Edit. See "Edit video clips," p. 44.

To print your images on a printer connected to your device, or to store them on your MMC for printing, select Options > Print. See "Image print," p. 49.

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

To delete an image or a video clip, press   .

Slide show

Use Slide show to view images and video clips in the full screen mode. Select from the following:

- Start—to start the slide show.
- Play—to open the RealPlayer application.
- Pause—to pause the slide show
- Continue—to resume the slide show
- End—to close the slide show.

Press   (faster) or   (slower) to adjust the Tempo. Press   (previous) or   (next) to browse the thumbnails.

To add sound to the slide show, select Options > Music settings and from the following:

- Music—Select On or Off.
- Track—Select a music file from the list.
- Volume—Press   to decrease the volume, or   to increase the volume.

Albums

With albums you can conveniently manage your images and video clips. To view the albums list, in the Images & video folder, select Options > Albums. The albums are ordered alphabetically. To view the content of an album, press   .

To create a new album, select Options > New album. Enter a name for the album, and select OK.

To add a picture or a video clip to an album in the gallery, scroll to a picture or video clip, and select Options > Add to album. A list of albums opens. Select the album to which you want to add the picture or video clip, and press   .

To remove a file from an album, press   . The file is not deleted from the Images & video folder in Gallery.

Imaging

Image print

To print images with **Image print**, select the print option in the gallery, camera, image editor, or image viewer.

Use **Image print** to print your images using a USB cable, a Bluetooth connection, or your memory card.

You can only print images that are in .jpeg format. The pictures taken with the camera are automatically saved in .jpg format.

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

Select the image you want to print and **Options** > **Print**.

Printer selection

When you use **Image print** for the first time, a list of available printers is displayed after you select the image. Select a printer you want to use. The printer is set as the default printer.

If you have connected a PictBridge-compliant USB printer using the CA-53 cable, the printer is automatically displayed.

If the default printer is not available, a list of available printing devices is displayed.

To change the default printer, select **Options** > **Settings** > **Default printer**.

Print preview

The print preview view opens only when you start printing an image in the gallery or the active standby mode.

The images that you selected are displayed using predefined layouts. To change the layout, scroll left and right through the available layouts for the selected printer. If the images do not fit on a single page, scroll up or down to display the additional pages.

Print settings

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

To set a default printer, select **Options** > **Default printer**.

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

RealPlayer

Press <img>, and select **Imaging** > **RealPlayer**. With **RealPlayer**, you can play video clips, sound clips, and playlists, or stream media files over the air. You can activate a streaming link when you browse Web pages, or store it in the device memory or memory card.

RealPlayer supports files with extensions such as .aac, .awb, .m4a, .mid, .mp3, and .wav. However, **RealPlayer** does not necessarily support all file formats or all the variations of file formats. For example, **RealPlayer** 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.

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

Play video or sound clips

1 To play a media file stored in device memory, or on the memory card, select **Options** > **Open** and select 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 **Gallery**. See "Gallery," p. 46.
2 Scroll to a file, and press <img> to play the file.

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

Icons in **RealPlayer**: <img> —Repeat; <img> —Random; <img> — Repeat and random; and <img>—Loudspeaker muted.

Create a track list

To create a track list of the music tracks on your device memory, or on the memory card:

1 Select **Options** > **New track list**.
2 Select the memory from which you want to select the music tracks.
3 Enter a name for the track list.
4 Select the music tracks you want to include in the track list.
5 Select **Back**. The track list automatically starts to play.

To leave the application open and play music in the background, press <img> twice to return to the standby mode. To return to the application, press <img> , and select **RealPlayer**.

Shortcuts during play:

- To fast forward, press and hold <img>.
- To rewind through the media file, press and hold <img>.

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- To mute the sound, press and hold ⦿ until the ⬛ indicator is displayed. To turn on the sound, press and hold ◉ until you see the 🔊 indicator.

Stream content over the air

Many service providers require you to use an Internet access point (IAP) for your default access point. Other service providers allow you to use a WAP access point.

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

Contact your service provider for more information.

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

To stream content over the air, select a streaming link saved in Gallery, on a Web page, or received in a text message or multimedia message. Before live content begins streaming, your device connects to the site and starts loading the content. The content is not saved in the 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. 60. 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.

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

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

Proxy settings:

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

- Proxy serv. address—Enter the IP address of the proxy server.
- Proxy port number—Enter the port number of the proxy server.

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

Network settings:

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

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Online time—Set the time for RealPlayer to disconnect from the network when you have paused a media clip playing through a network link, select User defined, and press ⊙. Enter the time, and select OK.

Lowest UDP port—Enter the lowest port number of the servers port range. The minimum value is 6970.

Highest UDP port—Enter the highest port number of the servers port range. The maximum value is 32000.

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

Movie director

To create muvees, press , and select Imaging > Movie. Muvees are short, edited video clips that can contain video, images, music, and text. Quick muvee is created automatically by Movie director after you select the style for the muvee. Movie director uses the default music and text associated with the chosen style. Every style has its own font style, color, music, and pace. In a Custom muvee you can select your own video and music clips, images and style, and add an opening and closing message. You can send muvees with MMS.

Open Movie, and press ◔ or ◑ to move between the ☐ and ☐ views. You can also return to the main view from the ☐ view by selecting Done.

The ☐ view contains a list of video clips that you can Play, Send, Rename, andDelete.

Create a quick muvee

1 In the Movie main view, select Quick muvee.
2 Select a style for the muvee from the style list. The created muvee is saved in the Movie director muvee list. The muvee is played automatically after saving.

To download new styles to your device, select Style downlds. (network service) from the Movie director main view.

Create a custom muvee

1 In the Movie main view, select Custom muvee.
2 Select the clips you want to include in your muvee in Video, Image, Style, or Music.
After you select video clips and images, to define the order in which the files are played in the muvee, select Options > Advanced options. To select the file you want to move, press the scroll key. Then scroll to the file below which you want to place the marked file, and press the scroll key.

To cut the video clips, select Options> Select contents. See "Select content," p. 53.
In Message you can add an opening and closing text to a muvee.

3 Select Create muvee. and from the following:
Multimedia message—to optimize the length of the muvee for MMS sending.
Auto-select—to include all the selected pictures and video clips in the muvee.
Same as music—to set the muvee duration to be the same as the chosen music clip.
User defined—to define the length of the muvee.

4 Select Options > Save.

To preview the custom muvee before saving it, in the Preview muvee view, select Options > Play.

To create a new custom muvee by using the same style settings, select Options > Recreate.

Select content

After you select images and video clips for your muvee, you can edit the selected video clips. Select Options > Advanced options > Options> Select contents. You can select which parts of the video clip you want to include or exclude in the muvee. A slider below the video screen indicates the included, excluded, and neutralized parts with colors: green is for included, red is for excluded, and grey is for neutral parts.

To include a part of the video clip in the muvee, scroll to the part, and select Options > Include.

To exclude a part from the video clip, scroll to the part, and select Options > Exclude.

To let Movie director randomly include or exclude a part of the video clip, scroll to the part, and select Options > Mark as neutral.

To exclude a shot from the video clip, select Options > Exclude shot.

To let Movie director randomly include or exclude parts of the video clip, select Options > Mark all as neutral.

Settings

Select Settings to edit the following options:

Memory in use—Select where to store your muvees.

Resolution—Select the resolution of your muvees.

Default muvee name—Set a default name for the muvees.

Messaging

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

Only devices that have compatible features can receive and display multimedia messages. The appearance of a message may vary depending on the receiving device.

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

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

My folders—For organizing your messages into folders.

Mailbox—In **Mailbox** you can connect to your remote mailbox to retrieve your new e-mail messages or view your previously retrieved e-mail messages offline. See "E-mail," p. 66.

Drafts—Stores draft messages that have not been sent.

Sent—Stores the last 20 messages that have been sent excluding messages sent using a Bluetooth connection. To change the number of messages to be saved, see "Other settings," p. 68.

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

Reports (network service)—You can request the network to send you a delivery report of the text messages and multimedia messages you have sent. Receiving a delivery report of a multimedia message that has been sent to an e-mail address might not be possible.

When you have opened any of the default folders, to switch between the folders, press or .

To enter and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider, select **Options** > **Service command** in the main view of **Messaging**.

Cell broadcast (network service) allows you to receive messages on various topics, such as weather or traffic conditions from your service provider. For available topics

and relevant topic numbers, contact your service provider. In the main view of **Messaging**, select **Options** > **Cell broadcast**. In the main view you can see the status of a topic, a topic number, name, and whether it has been flagged (▶) for follow-up.

A packet data connection may prevent cell broadcast reception.

Write text

Traditional text input

ABC, **abc**, and **Abc** indicate the selected character mode. **123** indicates number mode.

The indicator ⟍◿ is displayed when you are writing text using traditional text input.

- Press a number key (**1** — **9**) repeatedly until the desired character appears. There are more characters available for a number key than are printed on the key.
- To insert a number, press and hold the number key.
- To switch between letter and number mode, press and hold **#** .
- If the next letter is located on the same key as the present one, wait until the cursor appears (or press ◉ to end the time-out period), and enter the letter.

- To erase a character, press ⊏ . Press and hold ⊏ to clear more than one character.
- The most common punctuation marks are available under **1** . Press **1** repeatedly to reach the desired punctuation mark.
  Press ∗ to open a list of special characters. Use ⊙ to move through the list, and select a character.
- To insert a space, press **0** . To move the cursor to the next line, press **0** three times.
- To switch between the different character modes, press **#** .

Predictive text input—Predictive text

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

1 To activate predictive text input, press ✐ , and select **Predictive text on**. This activates predictive text input for all editors in the device. ⟍◿ is displayed when you write text using predictive text input.

	⟍ abc
O	
	⟍ abc
On	
	⟍ abc
Onl	
	⟍ abc
Onli	
	⟍ abc
Nokia	

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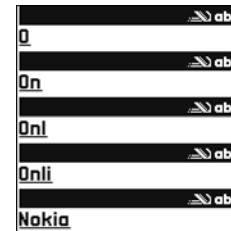
2 To write the desired word, press the keys **2** — **9** . Press each key only once for one letter. For example, to write "Nokia" when the English dictionary is selected, press **6** for N, **6** for o, **5** for k, **4** for i, and **2** for a. The word suggestion changes after each keypress.

3 When you finish writing the word and it is correct, to confirm it, press ⊙, or press **0** to add a space. If the word is not correct, press ∗ repeatedly to view the matching words the dictionary has found one by one, or press ✎, and select Predictive text > Matches.

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

4 Start writing the next word.

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

Tips on predictive text input

To erase a character, press **C** . Press and hold **C** to clear more than one character.

To change between the different character modes, press **#** . If you press **#** quickly twice, predictive text input is turned off.

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

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

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

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

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

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

Press ✎, select Predictive text, and press ⊙ to select one of the following options:

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

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

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

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When you press , the following options appear (depending on the editing mode): Predictive text (predictive text input), Alpha mode (traditional text input), Number mode, Cut (if text has been selected), Copy (if text has been selected), Paste (when text has been cut or copied first), Insert number, Insert symbol, and Writing language: (changes the input language for all editors in the device).

Write compound words

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

Turn predictive text input off

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

Copy text to clipboard

1 To select letters and words, press and hold . At the same time, press or . As the selection moves, text is highlighted.
2 To copy the text to the clipboard, while still holding , select Copy.
3 To insert the text into a document, press and hold , and select Paste, or press once, and select Paste.

To select lines of text, press and hold . At the same time press or .
To remove the selected text from the document, press C .

Write and send messages

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

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

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

Before you can create a multimedia message or write an e-mail, you must have the correct connection settings in place. See "Receive MMS and e-mail settings," p. 59, and "E-mail," p. 66.

The wireless network may limit the size of MMS messages. If the inserted picture exceeds this limit, the device may make it smaller so that it can be sent by MMS.

1 Select New message. A list of message options opens.
Text message—to send a text message.
Multimedia message—to send a multimedia message (MMS).

E-mail—to send an e-mail. If you have not set up your e-mail account, you are prompted to do so.

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

Scroll to a contact, and press ⦿ to mark it. You can mark several recipients at a time.

3 Press ⊙ to move to the message field.

4 Write the message.

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

You cannot send video clips that are saved in the .mp4 format in a multimedia message. To change the format in which recorded videos are saved, see "Video settings," p. 44.

6 To take a new picture or record sound or video for a multimedia message, select **Insert new** > **Image**, **Sound clip**, or **Video clip**. To insert a new slide to the message, select **Slide**. Select **Options** > **Preview** to see what the multimedia message looks like.

7 To add an attachment to an e-mail, select **Options** > **Insert** > **Image**, **Sound clip**, **Video clip**, or **Note**. E-mail attachments are indicated by 📎 in the navigation bar. To send files other than sounds and notes as attachments, open the appropriate application, and select **Send** > **Via e-mail**, if available.

8 To send the message, select **Options** > **Send**, or press ↵ .

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

length indicator counting backwards. For example, 10 (2) means that you can still add 10 characters for the text to be sent as two messages.

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

In Messaging you can also create presentations and send them in a multimedia message. In the multimedia message editor view, select Options > Create presentation (shown only if MMS creation mode is set to Guided or Free). See "Multimedia messages," p. 65.

When you send a multimedia message to an e-mail address or a device that supports the receiving of large images, use the larger image size. If you are not sure of the receiving device, or the network does not support sending large files, it is recommended that you use a smaller image size or a sound clip that is no longer than 15 seconds. To change the setting, select Options > Settings > Multimedia message > Image size in the Messaging main view.

Receive MMS and e-mail settings

You may receive the settings in a text message from your network operator or service provider. See "Data and settings," p. 60.

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

Enter the MMS settings manually:

1 Select Tools > Settings > Connection > Access points, and define the settings for a multimedia messaging access point. See "Connection settings," p. 101.

2 Select Messaging > Options > Settings > Multimedia message > Access point in use and the access point you created to be used as the preferred connection. See also "Multimedia messages," p. 65.

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

• Configure an Internet access point (IAP) correctly. See "Connection settings," p. 101.

• Define your e-mail settings correctly. See "E-mail," p. 66. You need to have a separate e-mail account. Follow the instructions given by your remote mailbox and Internet service provider (ISP).

Inbox—receive messages

Inbox icons: —unread messages in Inbox; — unread text message; —unread multimedia message; —data received through a Bluetooth connection.

When you receive a message, ✉ and **1 new message** are shown in the standby mode. Select **Show** to open the message. To open a message in **Inbox**, scroll to it, and press ⊙.

Multimedia messages

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

You may receive a notification that you have received a multimedia message that is saved in the multimedia message center. To start a packet data connection to retrieve the message to your device, select **Options** > **Retrieve**.

When you open a multimedia message (🖼), you may see an image and a message, and simultaneously listen to a sound through the loudspeaker (📇 is shown if sound is included). Click the arrow in the icon to listen to the sound.

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

To view received multimedia presentations, select **Options** > **Play presentation**.

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

Data and settings

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

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

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

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

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

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

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

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

If you receive a vCard file that has a picture attached, the picture is saved to contacts.

Web service messages

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

My folders

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

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

Mailbox

If you select **Mailbox** and have not set up your e-mail account, you are prompted to do so. See "E-mail," p. 66. When you create a new mailbox, the name you give to the mailbox replaces **Mailbox** in the **Messaging** main view. You can have up to six mailboxes.

Open the mailbox

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

When you scroll to your mailbox, and press ( ), the device asks you if you want to **Connect to mailbox?**.

Select **Yes** to connect to your mailbox, and retrieve new e-mail headings or messages. When you view messages online, you are continuously connected to a remote mailbox using a packet data connection. See also "Connection settings," p. 101.

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

Retrieve e-mail messages

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

> **Important:** Exercise caution when opening messages. E-mail messages may contain malicious software or otherwise be harmful to your device or PC.

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

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

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

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

Retrieve e-mail messages automatically

To retrieve messages automatically, select **Options** > **E-mail settings** > **Automatic retrieval** > **Header retrieval**. Select **Always on**, or **Only in home net.**, and define when, and how often, the messages are retrieved.

Retrieving e-mail messages automatically may increase your call costs due to the data traffic.

Delete e-mail messages

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

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

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

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

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

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

Disconnect from the mailbox

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

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

View e-mail messages when offline

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

Outbox—messages waiting to be sent

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

Status of the messages in Outbox:

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

Waiting/Queued—The message will be sent when previous messages of a similar type have been sent.

Resend at %U (time)—The device will try to send the message again after a time-out period. Select Send to restart the sending immediately.

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

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

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

View messages on a SIM card

Before you can view SIM messages, you must copy them to a folder in your device.

1 In the Messaging main view, select Options > SIM messages.
2 Select Options > Mark/Unmark > Mark or Mark all to mark messages.
3 Select Options > Copy. A list of folders opens.
4 Select a folder and OK to start copying. Open the folder to view the messages.

Messaging settings

Text messages

Select Messaging > Options > Settings > Text message.

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

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

Receive report (network service)—To request the network to send delivery reports on your messages. When set to No, only the Sent status is shown in the log. See "Log," p. 32.

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

Message sent as—Change this option only if you are sure that your message center is able to convert text messages into these other formats. Contact your network operator.

Preferred connection—You can send text messages through the normal GSM network or through packet data, if supported by the network. See "Connection settings," p. 101.

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

Add a new text message center

1 Select Message centers > Options > New msg. center.
2 Press ⊙, write a name for the message center, and select OK.
3 Press ⊙ and ⊙, and write the number of the text message center. You receive the number from your service provider.
4 Select OK.

5 To use the new settings, go back to the settings view. Scroll to Msg. center in use, and select the new message center.

Multimedia messages

Select Messaging > Options > Settings > Multimedia message.

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

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

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

Multimedia retrieval—Select how you want to receive multimedia messages. To receive multimedia messages automatically in your home network, select Aut. in home network. Outside your home network, you receive a notification that you have received a multimedia message

that is saved in the multimedia message center. You can select if you want to retrieve the message to your device.

When you are outside your home network, sending and receiving multimedia messages may cost you more.

If you select Multimedia retrieval > Always automatic, your device automatically makes an active packet data connection to retrieve the message both in and outside your home network.

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

Receive ads—Define whether you want to receive multimedia message advertisements.

Receive report (network service)—Select Yes if you want the status of the sent message to be shown in the log. Receiving a delivery report of a multimedia message that has been sent to an e-mail address might not be possible.

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

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

You may also obtain the multimedia and e-mail settings from your service provider through a configuration message. Contact your service provider for more information. See "Data and settings," p. 60.

E-mail

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

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

Mailboxes—Opens a list of mailboxes that have been defined. If no mailboxes have been defined, you are prompted to do so. Select a mailbox to change the following settings: Mailbox settings, User settings, and Automatic retrieval.

Mailbox settings:

Mailbox name—Enter a descriptive name for the mailbox.

Access point in use (Must be defined)—Choose an Internet access point (IAP) for the mailbox. See "Connection settings," p. 101.

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

Outgoing mail server (**Must be defined**)—Enter the IP address or host name of the mail server that sends your e-mail. You may only be able to use the outgoing server of your network operator. Contact your service provider for more information.

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

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

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

Mailbox type:—Defines the e-mail protocol that your remote mailbox service provider recommends. The options are **POP3** and **IMAP4**. This setting can be selected only once and cannot be changed if you have saved or exited from the mailbox settings. If you use the POP3 protocol, e-mail messages are not updated automatically in online mode. To see the latest e-mail messages, you must disconnect and make a new connection to your mailbox.

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

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

User settings:

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

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

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

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

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

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

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

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

Automatic retrieval:

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

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

Web service messages

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

Cell broadcast

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

Reception—Choose whether you want to receive cell broadcast messages.

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

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

Other settings

Select Messaging > Options > Settings > Other.

Save sent messages—Choose if you want to save a copy of every text message, multimedia message, or e-mail that you send to the Sent folder.

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

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

If Memory card is selected, activate the offline profile before opening the memory card slot door or removing the

memory card. When the memory card is not available, messages are saved in the device memory.

New e-mail alerts—Choose whether you want to receive the new e-mail indications, a tone or a note, when new mail is received to the mailbox.

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Radio

You can use the Visual Radio™ application as a traditional FM radio with automatic tuning and saved stations, or with parallel visual information related to the radio program on the display, if you tune in to stations that offer Visual Radio service. The Visual Radio service uses packet data (network service). You can listen to the FM radio while using other applications.

To use the Visual Radio service, the following conditions are required:

- The device must be switched on.
- The device must have a valid SIM card inserted.
- The station you listen to and the network operator you use must support this service.
- An Internet access point must be defined to access the operator's Visual Radio server.
- The station must be saved in the station list, and it must have the correct Visual Radio service ID defined and Visual Radio service enabled. See "Saved stations," p. 72.

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

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.

You can listen to the radio with the built-in loudspeaker or a compatible headset. When using the loudspeaker, keep the headset plugged in the device.

⚠️ **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.

You can normally make a call or answer an incoming call while listening to the radio. The radio is turned off when there is an active call. When the call is finished, you may need to turn the radio back on manually.

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 Visual Radio settings.

Listen to the radio

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

Connect a compatible headset to the device. The lead of the headset functions as the radio antenna, so let it hang freely. Press   , and select Radio.

To start a station search, select ⌐≡▎ or ▎≡⌐ . Searching stops when a station is found. To change the frequency manually, select Options > Manual tuning.

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

To adjust the volume, press ◐ or ◑. To listen to the radio using the loudspeaker, select Options > Activate loudsp..

To view available stations based on location, select Options > Station directory (network service). -ICON- indicates a station with Visual Radio service.

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. See "Saved stations," p. 72.

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

View visual content

Visual content of a station with Visual Radio service can be viewed if the station is saved in the station list and visual service is enabled for it in the station details. See "Saved stations," p. 72.

To check availability and costs, and to subscribe to the service, contact your network operator or service provider.

To view available visual content for a tuned station, select ▭ or Options > Start visual service. If the visual service ID has not been saved for the station, enter it, or select Retrieve to search for it in the station directory (network service).

When the connection to the visual service is established, the display shows the current visual content designed by the content provider.

To adjust display settings for the visual content view, select Options > Display settings > Lighting or Pwr. saver time-out.

Saved stations

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

To listen to a saved station, select Options > Station > Listen. To view available visual content for a station with Visual Radio service, select Options > Station > Start visual service.

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

Settings

Select Options > Settings and from the following:

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

Auto-start service—Select Yes to have the Visual Radio service start automatically when you select a saved station that offers visual service.

Access point—Select the access point used for the data connection. You do not need an access point to use the application as an ordinary FM radio.

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.

Calendar

Press any key (**1** — **0**) in any calendar view. A meeting entry opens, and the characters you enter are added to the **Subject** field.

Regularly back up the information on the device to the memory card. You can restore the information, such as calendar entries, to the device later. See "Memory card tool," p. 23.

Create calendar entries

1 Press , and select **Calendar** > **Options** > **New entry** and from 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. Anniversary entries are repeated every year.

2 Fill in the fields. Use to move between fields.
Alarm (meetings and anniversaries)—Select **On**, and press to fill in the **Alarm time** and **Alarm date** fields. in the day view indicates an alarm.
Repeat—Press to change the entry to be repeating (is shown in the day view).
Repeat until—You can set an end date for the repeated entry.
Synchronization:
Private—After synchronization the calendar entry can be seen only by you, and is not shown to others with online access to view the calendar.
Public—The calendar entry is shown to others who have access to view your calendar online.
None—The calendar entry will not be copied to your PC when you synchronize.

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

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

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

You can move calendar and to-do data from many different Nokia devices to your device or synchronize your calendar and to-do to a compatible PC using Nokia PC Suite. See the CD-ROM, if supplied in the sales package.

Set a calendar alarm

You can set an alarm to remind you of meetings and anniversaries.

1 Open an entry in which you want to set an alarm, and select **Alarm** > **On**.
2 Set the **Alarm time** and **Alarm date**.
3 Scroll down to **Repeat**, and press ⊙ to select how often you want the alarm to be repeated.
4 Select **Done**.

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

Calendar views

Select **Options** > **Settings** 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 o'clock. Press ✳ to switch between the month view, the week view, and the day view.

Icons in the day and week views: Memo and Anniversary. There is no icon for **Meeting**.

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

Press # to jump to today.

Remove calendar entries

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

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

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

All entries—Deletes all calendar entries.

Calendar settings

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

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Web

Various service providers maintain pages specifically designed for mobile devices. To access these pages, press , and select **Web**. These pages use the wireless markup language (WML), extensible hypertext markup language (XHTML), or hypertext markup language (HTML).

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

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

Access the Web

- Save the settings that are needed to access the Web page that you want to use. See "Receive browser settings," p. 76 or "Enter the settings manually," p. 76.
- Make a connection to the Web. See "Make a connection," p. 77.
- Start browsing the pages. See "Browse," p. 78.
- End the connection to the Web. See "End a connection," p. 80.

Receive browser settings

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

You may receive Web service settings in a special text message from the network operator or service provider that offers the Web page. See "Data and settings," p. 60. For more information, contact your network operator or service provider.

Enter the settings manually

Follow the instructions given to you by your service provider.

1 Select **Tools** > **Settings** > **Connection** > **Access points**, and define the settings for an access point. See "Connection settings," p. 101.
2 Select **Web** > **Options** > **Bookmark manager** > **Add bookmark**. Write a name for the bookmark and the address of the page defined for the current access point.
3 To set the created access point as the default access point in **Web**, select **Web** > **Options** > **Settings** > **Access point**.

Bookmarks view

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

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

Icons in the bookmark view:

The starting page defined for the default access point. If you use another default access point for browsing, the starting page changes accordingly.

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

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

Add bookmarks manually

1 In the bookmarks view, select Options > Bookmark manager > Add bookmark.

2 Start to fill in the fields. Only the URL address must be defined. The default access point is assigned to the bookmark if no other one is selected. Press ✳ to enter special characters such as /, ., :, and @. Press ⊏ to clear characters.

3 Select Options > Save to save the bookmark.

Send bookmarks

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

Make a connection

After you store all the required connection settings, you can access the pages.

1 Select a bookmark or enter the address in the field ( ). When you enter the address, matching bookmarks are shown above the field. Press ⊙ to select a matching bookmark.

2 Press ⊙ to start to download the page.

Connection security

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

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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, encryptions status, and information about server and user authentication.

Security features may be required for some services, such as banking services. For such connections you need security certificates. For more information, contact your service provider. See also "Certificate management," p. 105.

Browse

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

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

To open a link and make selections, press ⦿.

Use # 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 have visited during a browsing session. The history list is cleared each time a session is closed.

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

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

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

To save a page while browsing, select **Options** > **Advanced options** > **Save page**. You can save pages either to the device memory or on a memory card, 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, scroll to the link, and press ⦿.

When you start a download, a list of ongoing, paused, and completed downloads from the current browsing session is displayed. You can also view the list by selecting **Options** > **Tools** > **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.

Downloaded items are handled by the respective applications in your device, for example, a downloaded image is saved in **Gallery**.

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

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

Your browser collects bookmarks automatically while you are browsing Web pages. The bookmarks are stored to the automatic bookmarks folder ( ) and automatically organized according to domain. See also "Web settings," p. 80.

View saved pages

If you regularly browse pages containing information that does not change very often, you can save and browse

them when offline. In the saved pages view you can also create folders to store your saved browser pages.

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

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

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

Download and purchase items

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

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, scroll to the link, and press .
2 Select the appropriate option to purchase the item, for example, "Buy."
3 Carefully read all the information provided.