To continue the download, select Accept. To cancel the download, select Cancel.

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

End a connection

Select Options > Advanced options > Disconnect to end the connection and view the browser page offline, or Options > Exit to end the connection and close the browser.

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 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.

Web settings

Select Options > Settings and from the following:

Access point—To change the default access point, press ⊙ to open a list of available access points. See "Connection settings," p. 101.

Show images—To select if you want to load images while browsing. If you select No, to load images later during browsing, select Options > Show images.

Font size—To choose the text size.

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

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

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

Homepage—To define the home page.

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

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

Rendering—If you want the page layout shown as accurately as possible when in Small screen mode, select

By quality. If you do not want external cascading style sheets to be downloaded, select **By speed**.

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

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

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

Security warnings—To hide or show security notifications.

Confirm touch tones—Choose whether you want to confirm before the device sends touch tones during a voice call. See also "Options during a call," p. 32.

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My own

Games

Press , and select My own and a game. For instructions on how to play the game, select Options > Help.

Music player

Press , and select My own > Music. With the music player, you can play music files and create and listen to playlists.

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.

All songs lists all music on the memory card in alphabetical order. Recently added lists all music on the memory card, with the most recently added shown first.

To view songs sorted by their album or artist, select Albums or Artists. The album and artist information is collected from the ID3 tags of the song files, if available.

Add music

To add music to the player, copy music files to your memory card. Press , and select My own > Music > Options > Update Collection.

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

After you add or remove music files from the memory card, you may need to update your music player collection. Select Options > Update Collection. Depending on the number of music files and the size of the memory, the update may take a few seconds.

Play music

To play music, select All songs, Artists, Albums, Recently added, or Playlists, and select a song. The selected song and other songs in the view start to play.

To change between play and pause, press the scroll key. To fast forward in a song, press and hold . To rewind, press and hold .

To adjust the volume, press or . To start playing the next or previous song, press or .

To select between random play and normal play mode, select Options > Shuffle. To choose whether playing stops at the end of the playlist or restarts from the beginning of the playlist, select Options > Repeat.

To search for songs in a song list, press the number keys to enter letters in the search box.

To select several songs for playlists or deletion, press and hold while you press or .

To delete songs, select them, and press . Deleting a song removes it permanently from the memory card.

Playlists

The music player supports .m3u simple playlists. Playlists can be copied with music files or you can create them in the music player.

To add songs, albums, or artists to a playlist, select the items and Options > Add to a playlist. You can create a new playlist or add to an existing one.

To listen to a playlist, select Playlists and a playlist.

To delete a playlist, scroll to it, and press . Deleting a playlist only deletes the playlist, not the music files.

Go to—add shortcuts

Default shortcuts: opens Calendar; opens Inbox; opens Notes.

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

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

Delete a shortcut

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

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

IM—instant messaging (chat)

Press 🎮 , and select **My own** > **IM**.

Instant messaging (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 IM servers that you can log in to once you have registered to an IM 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 **Recorded chats** to view a previous instant messaging session that you have saved.

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

Receive IM settings

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. 60.

You can also enter the settings manually. See "Chat server settings," p. 87.

Connect to an IM server

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

1 Open IM to have your device connect to the IM server in use. To change the IM server in use and save new IM servers, see "Chat server settings," p. 87.

2 Enter your user ID and password, and press ⊙ to log in. You obtain the user ID and password for the IM server from your service provider.
   You can select **Cancel** to stay offline; to log in to the IM server later, select **Options** > **Login**. You cannot send or receive messages while you are offline.

3 To log out, select **Options** > **Logout**.

Modify your 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**.

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

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

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

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

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

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

Search for 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 and leave an IM group

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

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

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

Chat

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., select the recipient, write the message, and press ⊙.

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, select the contacts you want to invite, write the invitation message, and press ⊙.

To prevent receiving messages from certain participants, select Options > Blocking options and the desired option.

Record chats

To record to a file the messages that are exchanged during a conversation or while you are joined in a IM group, select Options > Record chat, enter a name for the conversation

file, and press ⊙. To stop recording, select Options > Stop recording.

The recorded conversation files are automatically saved in Recorded chats.

To view the recorded chats, in the main view, select Recorded chats, select the conversation, and press ⊙.

View and start conversations

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

To view a conversation, scroll to a participant, and press ⊙.

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. Ongoing conversations are automatically closed when you exit IM.

To start a new conversation, select Options > New conversation and from the following:

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

Enter user ID—Enter the user ID of the user you want to start a conversation with, and press ⊙.

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

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

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

IM contacts

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

Manage IM groups

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

Chat server settings

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

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

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

Server name—Enter the name for the chat server.

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

Web address—Enter the URL address of the IM server.

User ID—Enter your user ID.

Password—Enter your login password.

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Connectivity

Bluetooth connection

You can connect wirelessly to other compatible devices with Bluetooth wireless technology. Compatible devices may include mobile phones, computers, and enhancements such as headsets and car kits. You can use Bluetooth technology to send images, video clips, music and sound clips, and notes; to connect wirelessly to your compatible PC (for example, to transfer files); or to connect to a compatible printer to print images with Image print. See "Image print," p. 49.

Since devices with Bluetooth 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, although the connection may be subject to interference from obstructions such as walls or from other electronic devices.

This device is compliant with Bluetooth Specification 1.2 supporting the following profiles: 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, and Basic Imaging Profile. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

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

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

Bluetooth connection settings

Press , and select Connect. > Bluetooth.

Select from the following:

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

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

My phone's name—Define a name for your device. After you set a Bluetooth connection 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 technology.

Security tips

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

Do not pair with an unknown device.

Send data using Bluetooth wireless technology

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

Bluetooth connection indicators

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

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

1 Open an application where the item you want to send is stored. For example, to send an image to another compatible device, open Gallery.
2 Select the item (for example, an image), and Options > Send > Via Bluetooth. Devices with Bluetooth technology that are within range start to appear on the display one by one. You can see a device icon, the name of the device, the device type, or a short name.
   If you have searched for devices earlier, a list of the devices that were found previously is shown first. To start a new search, select More devices. If you switch off the device, the list is cleared.
   Device icons:
   —Computer; —Phone; —Audio or video; —Headset; —Other.

To interrupt the search, select Stop. The device list freezes.

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. 90.

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

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

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

Pair devices

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

In the Bluetooth main view, press ⊙ to open the paired devices view (⁂).

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

To pair with a device, select Options > New paired device. Devices with Bluetooth technology that are within range start to appear on the display one by one. 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 define a short name (nickname or alias) for a paired device, scroll to the device, and select Options > Assign short name in the paired devices view. This name helps you to recognize a certain device during device search or when a device requests a connection.

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

Set as authorized—Connections between your 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.

If you are currently connected to a device and delete the pairing with that device, pairing is removed immediately, and the connection is switched off.

Receive data using a Bluetooth connection

When you receive data using a Bluetooth connection, a tone sounds, and you are asked if you want to accept the message. If you accept, ✉ is shown, and the item is placed in the Inbox folder in Messaging. Messages received using a Bluetooth connection are indicated by ✦. See "Inbox—receive messages," p. 59.

Switch off Bluetooth connectivity

To switch off Bluetooth connectivity, select Bluetooth > Off.

PC connections

You can use your device with a variety of PC connectivity and data communications applications. With Nokia PC Suite you can synchronize contacts, calendar, and To-do notes; and transfer images between your device and a compatible PC.

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

For further information on how to install Nokia PC Suite (compatible with Windows 2000 and Windows XP), see the User Guide for Nokia PC Suite and the Nokia PC Suite help in the "Install" section on the CD-ROM.

CD-ROM

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

Your device as a modem

You can use your device as a modem to send and receive e-mail, or to connect to the Internet with a compatible PC by using a Bluetooth connection or USB cable. Detailed installation instructions can be found in the User Guide for Nokia PC Suite in Modem options on the CD-ROM.

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. See the CD-ROM, if supplied in the sales package.

Connection manager

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

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

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

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

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

View data connection details

To view the details of a connection, scroll to a connection, and select **Options** > **Details**.

Name—The name of the Internet access point (IAP) in use, or the modem connection name if the connection is a dial-up connection.

Bearer—The type of data connection: **Data call** or **Packet data**.

Status—The current status of the connection: **Connecting**, **Conn.(inact.)**, **Conn.(active)**, **On hold**, **Disconnctng.**, or **Disconnected**.

Received—The amount of data, in bytes, received to your device.

Sent—The amount of data, in bytes, sent from your device.

Duration—The length of time that the connection has been open.

Speed—The current speed of both sending and receiving data in kilobytes per second.

Dial-up—The dial-up number used.

Name—Access point name used.

Shared (not shown if the connection is not shared)—The number of applications using the same connection.

Remote synchronization

Press , and select **Connect.** > **Sync**. **Sync** enables you to synchronize your notes, calendar, and contacts with various calendar and address book applications on a compatible computer or on the Internet.

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

You may receive synchronization settings in a special text message. See "Data and settings," p. 60.

Create a new synchronization profile

1 If no profiles have been defined, your device asks if you want to create a new profile. Select **Yes**.
   To create a new profile in addition to existing ones, select **Options** > **New sync profile**. Choose whether you want to use the default setting values or copy the values from an existing profile to be used as the basis for the new profile.
2 Define the following:
   Sync profile name—Write a descriptive name for the profile.

Data bearer—Select the connection type: **Web** or **Bluetooth**.
Access point (shown only if **Data bearer** is set to **Web**)—Select an access point to use for the data connection.
Host address—The IP address of the host server. Contact your service provider or system administrator for the correct values.
Port (shown only if **Data bearer** is set to **Web**)—Contact your service provider or system administrator for the correct values.
User name—Your user ID for the synchronization server. Contact your service provider or system administrator for your correct ID.
Password—Write your password. Contact your service provider or system administrator for the correct value.
Allow sync requests—Select **Yes** if you want to allow the server to start a synchronization.
Accept all sync reqs.—Select **No** if you want your device to ask you before a synchronization initialized by the server is started.
Network authentic. (shown only if **Data bearer** is set to **Web**)—Select **Yes** to enter a network user name and password. Press to view the user name and password fields.
Press to select **Contacts**, **Calendar**, or **Notes**.
• Select **Yes** if you want to synchronize the selected database.

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- In Remote database, enter a correct path to the remote calendar, address book, or notes database on the server.
- Select Synchronization type: Normal (two-way synchronization), To server only, or To phone only.

3 Select Back to save the settings and return to the main view.

Synchronize data

In the Sync main view, you can see the different synchronization profiles and the kind of data to be synchronized.

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

2 You are notified when the synchronization is complete. After synchronization is complete, select Options > View log to open a log file showing the synchronization status (Complete or Incomplete) and how many calendar or contact entries, or notes have been added, updated, deleted, or discarded (not synchronized) in your device or on the server.

Device manager

Press , and select Connect. > Dev. mgr.. You may receive server profiles and different configuration settings from your network operator, service provider, or company information management department. These configuration settings may include access point settings for data connections and other settings used by different applications in your device.

To connect to a server and receive configuration settings for your device, select Start configuration.

To allow or deny receiving of configuration settings from a service provider, select Enable config. or Disable config..

Server profile settings

Contact your service provider for the correct settings.

Server name—Enter a name for the configuration server.

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

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

Session mode— Select Bluetooth or Web.

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

Host address—Enter the URL address of the server.

Port—Enter the port number of the server.

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

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

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

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Office

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Calculator

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

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

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

Calculate percentages

1 Enter a number for which you want to calculate a percentage.
2 Select ☒ , ☒ , ☒ , or ☒ .
3 Enter the percentage.
4 Select ☒ .

Converter

To convert measures such as **Length** from one unit (**Yards**) to another (**Meters**), press ⒢, and select **Office** > **Converter**.

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

1 Scroll to the **Type** field, and press ⊙ to open a list of measures. Scroll to the measure you want to use, and select **OK**.
2 Scroll to the first **Unit** field, and press ⊙. Select the unit from which you want to convert and **OK**. Scroll to the next **Unit** field, and select the unit to which you want to convert.
3 Scroll to the first **Amount** field, and enter the value you want to convert. The other **Amount** field changes automatically to show the converted value.
Press **#** to add a decimal and **∗** for the **+**, **–** (for temperature), and **E** (exponent) symbols.
To change the conversion order, enter the value in the second **Amount** field. The result is shown in the first **Amount** field.

Set base currency and exchange rates

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

1 Select Converter > Options > Currency rates. A list of currencies opens, and you can see the current base currency at the top.
   To rename a currency, go to the currency rates view, scroll to the currency, and select Options > Rename currency.
2 To change the base currency, scroll to the currency, and select Options > Set as base curr..
3 Add exchange rates. Scroll to the currency, and enter a new rate, that is, how many units of the currency equal one unit of the base currency you have selected.

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

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

To-do

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

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

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

To set the priority for the To-do note, scroll to the Priority field, and press to select the priority. The priority icons are (High) and (Low). There is no icon for Normal.

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

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

Notes

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

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Recorder

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

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Tools

Settings

To change settings, press , and select **Tools** > **Settings**. Scroll to a setting group, and press to open it. Scroll to a setting you want to change, and press .

Phone settings

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 SIM 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—You can 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 or 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 (up to 50 letters), or **Image** to select a photo or picture from **Gallery**.

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

Media key

Press to open the shortcut assigned to the multimedia key. Press again to return to the previous view. To assign a new shortcut, press , and select **Media key** > **Options** > **Change**. Select an application from the list, and select **OK**.

The shortcut is available whenever you press ✧ .

Standby mode

Active standby—Use shortcuts to applications in the standby mode on the main display. See "Active standby mode," p. 28.

Left selection key—To assign a shortcut to the left selection key (⌐) in the standby mode, select an application from the list.

Right selection key—To assign a shortcut to the right selection key (⌐) in the standby mode, select an application from the list.

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

You can also assign keypad shortcuts for the different presses of the scroll key, by selecting an application from the list. These scroll key shortcuts are not available if the active standby is on.

Operator logo—This setting is visible only if you have received and saved an operator logo. You can choose if you want the operator logo to show or not.

Display

Brightness—You can change the brightness of the display to lighter or darker. The brightness of the display is automatically adjusted according to the environment.

Power saver time-out—The power saver on the display is activated when the time-out period is over.

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

Call settings

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

Call waiting—If you have activated call waiting (network service), the network notifies you of a new incoming call while you have a call in progress. Select **Activate** to request the network to activate call waiting, **Cancel** to request the network to deactivate call waiting, or **Check status** to check if the function is active or not.

Reject call with SMS—Select **Yes** to send a text message to a caller informing why you could not answer the call. See "Answer or decline a call," p. 31.

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Message text—Write a text to be sent in a text message when you reject 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, and the numbers assigned to the 1-touch dialing keys (**2** - **9**) can be dialed by pressing and holding the key. See also "1-touch dial a phone number," p. 30.

Anykey answer—Select On, and you can answer an incoming call by briefly pressing any keypad key, except ⌐, ⌐, (i), and ⤲ .

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

To switch between the phone lines, press and hold **#** in the standby mode.

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

Connection settings

Data connections and access points

Your device supports packet data connections (🖳), such as GPRS in the GSM network.

General packet radio service (GPRS) uses packet data technology where information is sent in short packets of data over the mobile network.

To establish a data connection, an access point is required. You can define different kinds of access points, such as:
- MMS access point to send and receive multimedia messages
- Access point for the Web application to view WML or XHTML pages
- Internet access point (IAP) to send and receive e-mail

Check the 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.

Packet data connections in GSM networks

When you use your device in GSM networks, multiple data connections can be active at the same time and access points can share a data connection. To check the active data connections, see "Connection manager," p. 92.

The following indicators may be displayed below the signal indicator, depending on which network you use:

GSM network, packet data is available in the network.

GSM network, packet data connection is active, data is being transferred.

GSM network, multiple packet data connections are active.

Receive access point settings

You may receive access point settings in a text message from a service provider, or you may have preset access point settings in your device. See "Data and settings," p. 60.

To create a new access point, press , and select **Tools** > **Settings** > **Connection** > **Access points**.

An access point may be protected () by your network operator or service provider. Protected access points cannot be edited or deleted.

Access points

See "Receive MMS and e-mail settings," p. 59, "E-mail," p. 66, and "Access the Web," p. 76.

Follow the instructions given to you by your service provider.

Connection name—Give a descriptive name for the connection.

Data bearer—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 SIM card.

Access point name (for packet data only)—The access point name is needed to establish a connection to the packet data networks. 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. The user name is often case-sensitive.

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

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

Authentication—Select Normal or Secure.

Homepage—Depending on what you are setting up, write the Web address or the address of the multimedia messaging center.

Select Options > Advanced settings 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)—Enter the IP address of your device.

Name servers—In Primary name server:, enter the IP address of the primary DNS server. In Second. name server:, enter the IP address of the secondary DNS server. Contact your Internet service provider to obtain these addresses.

The domain name service (DNS) is an Internet service that translates domain names such as www.nokia.com into IP addresses like 192.100.124.195.

Proxy serv. address—Define the address for the proxy server.

Proxy port number—Enter the proxy port number.

Packet data

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

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

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

Configurations

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

Date and time

See "Clock settings," p. 21.

See also the language settings in "General," p. 99.

Security

Phone and SIM

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 SIM cards. See "Glossary of PIN and lock codes," p. 104.

PIN code, **PIN2 code**, and **Lock code**—You can change the lock code, PIN code, and PIN2 code. These codes can only include the numbers from **0** to **9**. See "Glossary of PIN and lock codes," p. 104.

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

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

Autolock period—You can set an autolock period, a time-out after which the device automatically locks and can be used only if the correct lock code is entered. Enter a number for the time-out in minutes, or select **None** to turn off the autolock period.

To unlock the device, enter the lock code.

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

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

Lock if SIM changed—You can set the device to ask for the lock code when an unknown SIM card is inserted into your device. The device maintains a list of SIM 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 SIM services—You can set the device to display confirmation messages when you are using a SIM card service (network service).

Glossary of PIN and lock codes

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

Personal identification number (PIN) code—This code protects your SIM card against unauthorized use. The PIN

code (4 to 8 digits) is usually supplied with the SIM card. After three consecutive incorrect PIN code entries, the PIN code is blocked, and you need to unblock it before you can use the SIM card again. See the information about the PUK code in this section.

UPIN code—This code may be supplied with the USIM card. The USIM card is an enhanced version of the SIM card and is supported by UMTS mobile phones. The UPIN code protects the USIM card against unauthorized use.

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

Lock code (also known as security code)—This 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.

Personal unblocking key (PUK) code and PUK2 code—These codes (8 digits) are required to change a blocked PIN code or PIN2 code, respectively. If the codes are not supplied with the SIM card, contact the operator whose SIM card is in your device.

UPUK code—This code (8 digits) is required to change a blocked UPIN code. If the code is not supplied with the

USIM card, contact the operator whose USIM card is in your device.

Certificate management

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

Digital certificates are used to verify the origin of the XHTML or WML pages and installed software. However, they can only be trusted if the origin of the certificate is known to be authentic.

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 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 on the device display 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. For example:

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

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

Call forwarding

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

1 Press , and select **Tools** > **Settings** > **Call forwarding**.
2 Select which calls you want to forward: **Voice calls** or **Fax calls**.

3 Select the desired forward option. To forward voice calls when your number is busy or when you reject incoming calls, select **If busy**.

4 Set the forward option on (**Activate**) or off (**Cancel**), or check whether the option is activated (**Check status**). Several forward options can be active at the same time.

When all calls are forwarded, ____ is shown in the standby mode.

Call restriction and call forwarding 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 restriction password from your service provider. Select the desired restriction option, and set it on (**Activate**) or off (**Cancel**), or check whether the option is active (**Check status**). **Call restriction** affects all calls, including data calls.

Call restriction and call forwarding cannot be active at the same time.

When calls are restricted, calls may be possible to certain official emergency numbers.

Network

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 a roaming agreement with your home network, that is, the operator whose SIM 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 settings

Indicators shown in the standby mode:
🎧 A headset is connected.
Ⓣ A loopset is connected.

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The headset is unavailable, or a Bluetooth connection to a headset is lost.

Select Headset, Loopset, or Bluetooth handsfree, and the following options are available:

Default profile—To set the profile that you want activated each time you connect a certain enhancement to your device. See "Profiles—set tones," p. 26.

Automatic answer—To set 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.

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. 30.

To activate enhanced voice commands for starting applications or profiles, you must open the Voice com. application and its Profiles folder. Press , and select Tools > Voice com. > Profiles; the device creates voice tags for the applications and profiles. To use enhanced voice commands, press and hold the capture key, and say a voice command. The voice command is the name of the application or profile displayed in the list.

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, scroll to it, select Options > Change command, and enter the new voice command as text. Avoid very short names, abbreviations, and acronyms.

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 Remove my adapts.

Application manager

Press , and select Tools > Manager. 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 N70. Software providers will often refer to the official model number of this product: the Nokia N70-5.

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 a Bluetooth connection. You can use Nokia Application Installer in Nokia PC Suite to install an application to your device or a memory card. If you use Microsoft Windows Explorer to transfer a file, save the file to a memory card (local disk).

If you have received the installation file as an e-mail attachment, go to your mailbox, open the e-mail, open the attachments view, scroll to the installation file, and press ⊙ to start installation.

Install applications and software

You can also use Nokia Application Installer available in Nokia PC Suite to install applications. See the CD-ROM, if supplied with the device.

Application icons are as follows: 🧩 .sis application; 🧩 Java application; ⬛ application is not fully installed; ▦ 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.

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 "Certificate 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.
1 Open Manager, and scroll to an installation file. Alternatively, search the device memory or the memory card in File mgr., or open a message in Messaging > Inbox that contains an installation file.
   Select the application, and press ⊙ to start the installation.
   While browsing, you can download an installation file and install it without closing the connection.

2 Select Options > Install.

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, locate it in the menu, and press ⦿.

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

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

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

Remove applications and software

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

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

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

Application settings

Select Options > Settings and from the following:

Software installation—Select if Symbian software can be installed: On, Signed only, or Off.

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

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

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

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Activation keys—handle copyright-protected files

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

Press , and select Tools > Activation keys to view the digital rights activation keys stored in your device:

- Valid keys ( ) are connected to one or more media files.
- With expired keys ( ), you have no time to use the media file, or the time period for using the file is exceeded. To view the Expired activation keys, press .

To buy more usage time or extend the usage period for a media file, select an activation key and Options > Activate content. Activation keys cannot be updated if Web service message reception is disabled. See "Web service messages," p. 68.

To view which keys are not in use at the moment (Not used), press twice. Unused activation keys have no media files connected to them saved in the device.

To view detailed information such as the validity status and ability to send the file, select an activation key, and press .

Troubleshooting

Bluetooth connectivity

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

A: Verify that both devices have activated Bluetooth connectivity.
Verify 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.
Verify that the other device is not in hidden mode.
Verify that both devices are compatible.

Q: How can 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.

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 > Memory details.

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.
Verify that the settings for multimedia messaging are defined correctly and that there are no mistakes in phone numbers or addresses. Select Messaging > Options > Settings > Multimedia message.

Q: How can I end the data connection when the 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 reception > Off—To ignore all incoming multimedia messages. After this change, the device does

not make any network connections related to multimedia messaging.

Messaging

Q: Why can't I select a contact?

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

Camera

Q: Why do images look smudgy?

A: Ensure that the camera lens protection window is clean.

Calendar

Q: Why are the week numbers missing?

A: If you have changed the calendar settings so that the week starts on a day other than Monday, the week numbers are not shown.

Browser services

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

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

Log

Q: Why does the log appear empty?

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

Q: How do I delete my log information?

A: Select Connect. > Log > Options > Clear log or go to Settings > Log duration > No log. These will erase the log contents, recent calls register, and message delivery reports permanently.

PC connectivity

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

A: Verify that Nokia PC Suite is installed and running on your PC. See the User Guide for Nokia PC Suite on the CD-ROM. If Nokia PC Suite is installed and running, you can use Nokia Get connected wizard available in Nokia PC Suite to connect to your PC. For further information on how to use Nokia PC Suite, see the help function on Nokia PC Suite or visit the support pages at www.nokia.com.

Access codes

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

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

Application not responding

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

A: To open the application switching window, press and hold . Then scroll to the application, and press to close the application.

Device 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.

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 Messaging
- Retrieved e-mail messages from the device memory
- Saved browser pages
- Images and photos in Gallery

To delete contact information, calendar notes, call timers, call cost timers, game scores, or any other data, go to the respective application to remove the data. 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 back-up copy of all data to a compatible computer.
- Send images to your e-mail address, and then save the images to your computer.
- Send data using a Bluetooth connection to a compatible device.
- Store data on a compatible memory card.

Enhancements

If you want to enhance device functionality, a range of enhancements is available for you. You can select any of these items to help accommodate your specific communication needs. For availability of these and other enhancements, contact your dealer. Protective carrying cases and straps for your Nokia N70 are available for purchase and can be located at **www.nokiausa.com**.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from a DC-4, AC-3, or AC-4 charger, and from an ACP-8, ACP-9, or ACP-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. For availability of approved enhancements, please check with your dealer.

A few practical rules about accessories and enhancements:

- Keep all accessories and enhancements out of the reach of small children.

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

Power

- Battery, 900 mAh, Li-ion (BL-5C)
- Travel chargers (ACP-12, ACP-9, ACP-8, and ACP-7)
- Mobile charger (LCH-12)

Data

- Connectivity Cable (DKU-2)
- Wireless Keyboard (SU-8W)
- Digital Pen (SU-1B)
- MultiMediaCard (MU-1)
- Reduced Size MultiMediaCard (MU-2)
- Wireless GPS Module (LD-1W)
- **Connectivity Cable (CA-53)**

Audio

- Wireless Boom Headset (HS-4W)
- Wireless Headset (HDW-3)
- Wireless Headset (HS-11W)
- Wireless Clip-on Headset (HS-21W)
- Wireless Image Headset (HS-13W)
- Headset (HS-5)
- Boom Headset (HDB-4)
- Fashion Stereo Headset (HS-3)
- Stereo Headset (HDS-3)
- Music Stand (MD-1)

Accessibility

- Loopset (LPS-4)
- TTY adapter (HDA-10)

Car

- Wireless Plug-in Car Handsfree (HF-6W))
- Mobile Holder (CR-27)
- Wireless Car Kit (CK-1W, CK-7W)
- Headrest Handsfree (BHF-3)
- Plug-in Car Handsfree (HF-3)
- Car Kit (CK-10)

Imaging and lifestyle

- Nokia Remote Camera (PT-6)

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 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.

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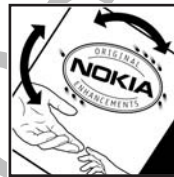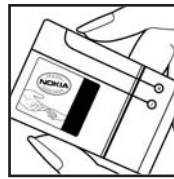
3   Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
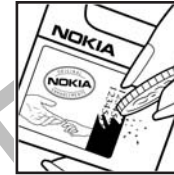
4   Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.

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 service point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

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

Care and maintenance

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

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes, before sending your device to a service facility.

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

Additional safety information

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

Operating environment

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 inches) 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 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..

Medical devices

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

so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15.3 centimeters (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:
- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker
- Not carry the device in a breast pocket
- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.

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

Hearing aids

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

Vehicles

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

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

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

Potentially explosive environments

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

Emergency calls

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

To make an emergency call:

1 If the device is not on, switch it on. Check for adequate signal strength.
  Some networks may require that a valid SIM card 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 0.95 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 one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.55 W/kg and when properly worn on the body is 0.72 W/kg. Information about this device model can be found at https://gullfoss2.fcc.gov/prod/oet/cf/eas/reports/GenericSearch.cfm

by searching the equipment authorization system using FCC
ID: QFXRM-84.

FCC DRAFT

Technical Information

Feature	Specification
Weight	130 grams (4.6 oz) with BL-5C Li-Ion Battery
Size	Volume: 6.35 in^3 (104 cm^3)
	Length: 4.28 in (108.8 mm)
	Width: 2.19 in (55.5 mm)
	Thickness: 0.86 in (21.9 mm with slide)
Frequency range	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)
Transmitter output power	Up to 2 W
Battery voltage	3.7 V dc
Operating temperature	14°F to + 131°F (–10°C to + 55°C)

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