

6650 User Guide



9206316

Draft

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CE 0434

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Export controls

This device may contain commodities, technology or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

FCC NOTICE

Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Nokia could void the user's authority to operate this equipment.

9206316 draft

Contents

Contents.....	4	E-mail	28
SAFETY	6	Outbox.....	29
Support	8	View messages on the SmartChip card....	29
Help	8	Cell broadcast	30
Service settings.....	8	Service commands.....	30
Troubleshooting your phone.....	9	Messaging settings.....	30
		Instant messaging.....	31
1. Get started.....	10	7. Recent calls.....	31
Insert a SmartChip card and battery.....	10	8. MEdia Net.....	32
MicroSD card slot.....	11	Set up browsing.....	32
Charge the battery	12	Connect to a service.....	32
Switch the phone on and off	13	Browse pages	33
Access codes	13	Bookmarks.....	33
Digital rights management.....	14	Appearance settings.....	34
2. Your phone	15	Security settings.....	35
Keys and parts	15	Download settings.....	35
Cover display.....	16	Service inbox.....	35
Standby mode.....	16	Cache memory	36
Indicators.....	17	Browser security.....	36
Keypad lights	18	9. AT&T Mall	38
Menu	18	10. AT&T Music.....	38
Volume control.....	19	11. My Stuff	38
Cover display.....	19	Download files	39
Keypad lock (keyguard).....	20	View videos and images.....	39
Normal operating position	21	Edit images	39
Connect a compatible headset.....	21	Print images.....	40
Connect a USB data cable	22	Transfer videos from PC	40
3. Call functions.....	22	Music player	40
Make a voice call.....	22	Audio clips.....	44
Answer or reject a call	23	Streaming links.....	44
4. Cellular Video.....	24	Presentations.....	44
5. Write text.....	25	12. Address Book.....	44
Traditional and predictive text input.....	25	Save and manage contact information ...	44
Copy and delete text	26	Add a ringing tone.....	45
6. Messaging.....	26	13. Games and Apps.....	45
Write and send messages.....	26	Launch a game or application	46
Inbox.....	27	Application options	46

Download an application	46	Config.....	57
Flash Player	46	Voice commands	60
Push to talk.....	47	Themes	61
14. Tools	51	Bluetooth connectivity.....	61
Notes.....	51	USB.....	63
Clock.....	51	File manager.....	63
Camera.....	52	Application manager.....	64
Recorder	53	Connection manager.....	66
Calendar	53	Device manager	66
Calculator.....	53	Sync.....	67
Converter.....	54	16. Battery information.....	67
Help	54	Charging and discharging.....	67
RealPlayer	54	Nokia battery authentication guidelines.....	68
GPS data.....	55	Care and maintenance.....	69
Landmarks.....	55	Additional safety information	70
15. Settings.....	55	Index.....	75
Speed dial	55		
Voicemail.....	56		
Profiles.....	56		

SAFETY

SAFETY

Read these simple guidelines. Not following them may be dangerous or illegal.
Read the complete user guide for further information.



SWITCH ON SAFELY

Do not switch the device on when wireless phone use is prohibited or when it may cause interference or danger.



ROAD SAFETY COMES FIRST

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



INTERFERENCE

All wireless devices may be susceptible to interference, which could affect performance.



SWITCH OFF IN RESTRICTED AREAS

Follow any restrictions. Switch the device off in aircraft, near medical equipment, fuel, chemicals, or blasting areas.



QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



ENHANCEMENTS AND BATTERIES

Use only approved enhancements and batteries. Do not connect incompatible products.



WATER-RESISTANCE

Your device is not water-resistant. Keep it dry.

About your device

The wireless device described in this guide is approved for use on the UMTS 850 and 1900, EGSM 850 and 900, and GSM 1800 and 1900 networks. Contact your service provider for more information about networks.

When using the features in this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights.

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

Your device supports internet connections and other methods of connectivity. Like computers, your device may be exposed to viruses, malicious messages and applications, and other harmful content. Exercise caution and open messages,

SAFETY

accept connectivity requests, download content, and accept installations only from trustworthy sources. To increase the security of your device, consider installing antivirus software with a regular update service and using a firewall application.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third-party sites are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take precautions for security or content.



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



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

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

■ Network services

To use the phone you must have service from a wireless service provider. Many of the features require special network features. These features are not available on all networks; other networks may require that you make specific arrangements with your service provider before you can use the network services. Your service provider can give you instructions and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services.

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

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as web browsing, e-mail, push to talk, instant messaging, and multimedia messaging, require network support for these technologies.

■ Enhancements, batteries, and chargers

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the AC-4 or AC-5 chargers.



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

For availability of approved enhancements, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

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.

Support

■ Help

Your phone has context-sensitive help. To access help when an application is open, select **Options > Help**. To switch between help and the application that is open in the background, select and hold , and select from the list of open applications.

To open help from the main menu, select  > **Tools > Help**. Select an application to view a list of help topics, and select the related help text. To open a keyword list, select **Options > Search**.

■ Service settings

Before you can use multimedia messaging, instant messaging, push to talk, e-mail, synchronisation, streaming, and the browser, you must have the proper configuration settings on your phone. Your phone may automatically configure browser, multimedia messaging, access point, and streaming settings based on the SmartChip card used. Otherwise,

Support

you may receive the settings directly as a configuration message, which you save to your phone. For more information on availability, contact your service provider or nearest authorized Nokia dealer.

When you receive a configuration message, and the settings are not automatically saved and activated, *1 new message* is displayed. To save the settings, select **Show > Options > Save**. You may need to enter a PIN code provided by the service provider.

■ Troubleshooting your phone

If you have problems with your phone, try the following before taking it to a service point:

Reset the phone

Switch the phone off, remove the battery, reinsert it, and switch the phone on.

Restore original factory configuration

Select  > **Settings > Config. > General > Factory config.** Your documents and files are not deleted.

Visit the Nokia support website

Visit www.nokia.com/support or your local Nokia website for product support and FAQs. On this website, you can also find:

- The latest version of this guide, additional information, downloads and services related to your Nokia product.
- List of local Nokia contact centers, if you need to contact customer service.
- Your nearest Nokia service centers for maintenance services. Before sending your phone for repair, always back up or make a record of data in your phone.

1. Get started

■ Insert a SmartChip card and battery

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

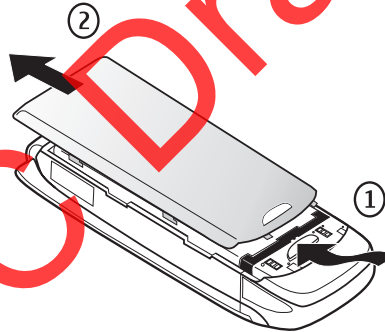
This phone uses BP-4L batteries.

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

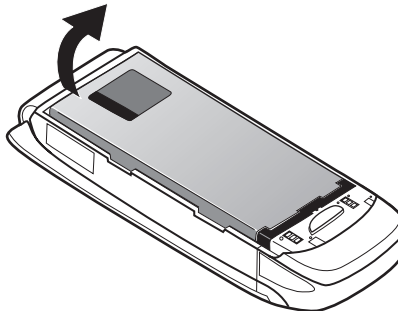


Warning: The following parts of this device may contain nickel: front cover and back cover. These parts are not designed for prolonged contact with the skin. Continuous exposure to nickel on the skin may lead to a nickel allergy.

1. To open the back cover, press the black button on the lower part of the back cover (1), slide the cover forward and lift (2).

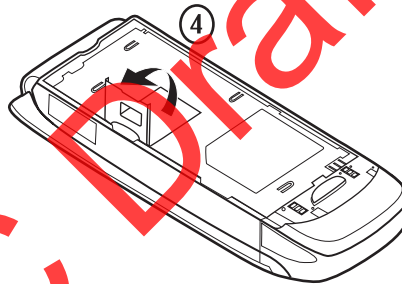
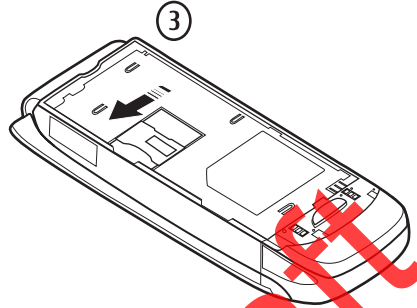


2. To remove the battery, lift as shown.

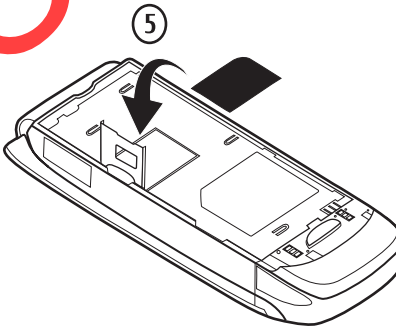


Get started

3. To release the SmartChip card holder, slide it backwards (3), and lift it (4).



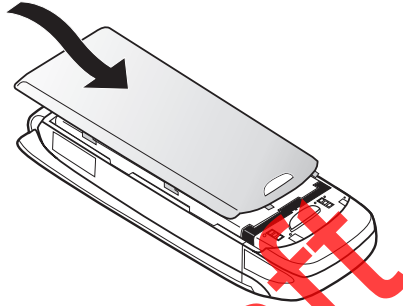
4. Insert the SmartChip card in the SmartChip card holder (5). Make sure that the gold-colored contact area on the card is facing downwards, and the beveled corner faces upwards.



Close the SmartChip card holder, and slide it forward to lock it.

Get started

5. Replace the battery and the back cover.



■ MicroSD card slot

Use only compatible microSD cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

Keep microSD cards out of the reach of small children.

You can extend the available memory with a microSD memory card. Your device supports a microSD card with up to 8GB memory. You can insert or remove a microSD card without switching the phone off.

To maximize the performance of your device, it is recommended that no more than 100 files are stored in any folder.

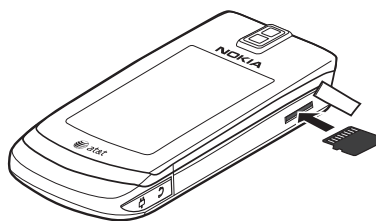


Important: Do not remove the memory card in the middle of an operation when the card is being accessed. Removing the card in the middle of an operation may damage the memory card as well as the device, and data stored on the card may be corrupted.

Insert a microSD card

Note that the memory card may be supplied with the phone, and may already be inserted.

Open the side door (1). Place the microSD card in the slot with the gold-colored area



Get started

facing up(2). Push the card gently to lock it into place. Close the side door.

Remove a microSD card

Open the side door. Push the card gently to release it. *Remove memory card and press 'OK'* is displayed. Pull the card out, and select **OK**. Close the side door.

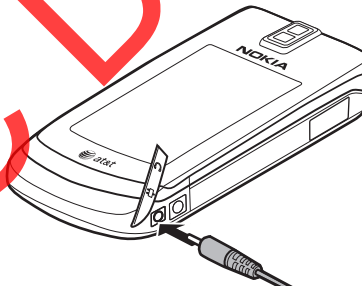
After you install applications to a compatible memory card, installation files (.sis, .sisx) remain in the device memory. The files may use large amounts of memory and prevent you from storing other files. To maintain sufficient memory, use Nokia PC Suite to back up installation files to a compatible PC, then use the file manager to remove the installation files from the device memory. See "Install an application," p. 68. If the .sis file is a message attachment, delete the message from the Messaging inbox.

■ Charge the battery

1. Connect the charger to the wall socket.
2. Open the side door (1), and connect the charger plug to the charger connector in the phone (2).
3. After charging, close the side door.

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

The charging time depends on the charger and the battery used. Charging a BP-4L battery with the AC-5 charger takes approximately 80 minutes.



■ Optimize battery use

To optimize the standby time for your phone, the following settings are recommended:

- Turn on Sleep mode.

Select  > *Settings* > *Config.* > *General* > *Cover display* > *Sleep mode* > *On*.

- Reduce Power saver time-out.

Select  > *Settings* > *Config.* > *General* > *Personalization* > *Display* > *Power saver time-out*. Use the left and right scroll keys to set the time-out, and select OK.

- Reduce Notification time-out.

Select  > *Settings* > *Config.* > *General* > *Personalization* > *Keypad lights* > *Notification time-out*. Use the left and right scroll keys to scroll in increments of 10 minutes.

- Reduce Display light time-out.

Select  > *Settings* > *Config.* > *General* > *Personalization* > *Display* > *Light time-out*. Use the left and right scroll keys to scroll in 5 second increments.

- Close open applications not in use.

Leaving applications running in the background increases the demand on battery power and reduces the battery life.

To see a list of open applications, press and hold . To close the browser, press and hold the end key. The message "End data counter connection 'Media Net?'" is displayed. Select Yes to close the data connection.

- Avoid contact with the antenna area of the phone.

Avoid touching the antenna unnecessarily.

See "Antenna," p. 23.

Get started

■ Switch the phone on and off

Press and hold the power/end key.

If the phone asks for a PIN code, enter the PIN code, and select **OK**.

If the phone asks for the lock code, enter the lock code, and select **OK**.

The factory setting for the lock code is 12345.

Set time and date

To set the correct time zone, time, and date, select the country you are presently in, then enter the local time and date.

Some networks have automatic updates of time and date. Contact your service provider for information on this feature.

■ Access codes

Select  > *Settings* > *Config.* > *General* > *Security* > *Phone and SmartChip* to set how your phone uses the access codes.

Lock code

The lock code (5 digits) helps to lock your phone. The preset code is 12345. Change the code, and set the phone to request the code.

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

PIN codes

The personal identification number (PIN) code or the universal personal identification number (UPIN) code (4 to 8 digits) help to protect your SmartChip card. The (U)PIN code is usually supplied with the SmartChip card. Set the phone to request the code each time the phone is switched on.

The PIN2 code may be supplied with the SmartChip card and is required for some functions.

The module PIN is required to access the information in the security module. The signing PIN is required for the digital signature. The module PIN and the signing PIN are supplied with the SmartChip card if the SmartChip card has a security module in it.

Get started

PUK codes

The personal unblocking key (PUK) code or the universal personal unblocking key (UPUK) code (8 digits) are required to change a blocked PIN code and UPIN code, respectively. The PUK2 code is required to change a blocked PIN2 code.

If needed, contact your local service provider for the codes.

Call restriction password

The restriction password (4 digits) is required when using *Call restriction*. You can obtain the password from your service provider. If the password is blocked, contact your service provider.

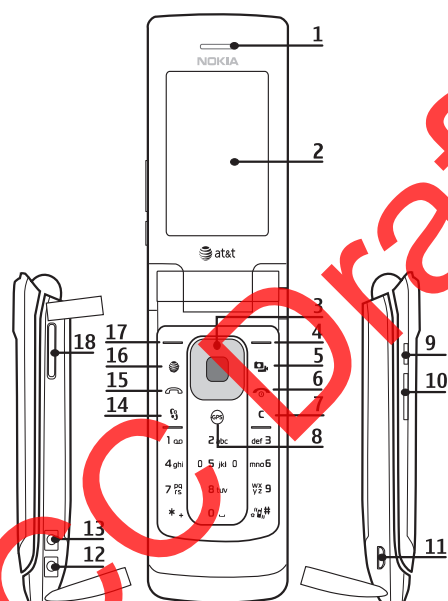
■ Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you may be able to access content protected with WMDRM 10. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access the new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content. Digital rights management (DRM) protected content comes with an associated activation key that defines your rights to use the content. If your device has WMDRM protected content, both the activation keys and the content will be lost if the device memory is formatted. You may also lose the activation keys and the content in case the files on your device get corrupted. Losing the activation keys or the content may limit your ability to use the same content on your device again. For more information, contact your service provider.

Your phone

2. Your phone

■ Keys and parts



- | | |
|-------------------------------|--------------------------------|
| 1 Earpiece | 10 Volume key |
| 2 Display | 11 Micro USB connector |
| 3 Navigation pad (scroll key) | 12 Charger connector |
| 4 Right selection key | 13 Universal headset connector |
| 5 Camera/video key | 14 Menu key |
| 6 End and power key | 15 Call key |
| 7 Clear key | 16 Media Net key |
| 8 GPS key | 17 Left selection key |
| 9 PTT key | 18 Micro SD card slot |

Your phone

■ Cover and touch keys

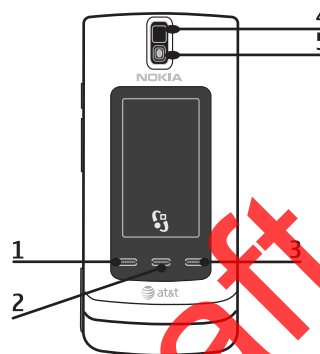
Left cover touch key (1)

Center cover touch key and menu key  (2)

Right cover touch key (3)

Camera lens (4)

Camera flash (5)



■ Cover display

The cover display works by sliding your finger lightly over the three cover touch keys on the lower end of the display, instead of pressing the cover touch keys. To access phone menus with the cover closed, slide your finger lightly over the center cover touch key with the menu symbol  above. Use the volume key to scroll up and down through the menus. Menus include profiles, music player, camera, calendar, timer, and stopwatch.

To open a menu, slide your finger lightly over the left cover touch key to select **Open**. Functions of the left cover touch key vary depending on the selected menu. Use the volume key to scroll through menus. The right cover touch key functions also vary according to the selected application. Select **Exit** by sliding your finger lightly over the right cover touch key to exit any menu.

Lock and Unlock the Cover display

To lock the cover display, slide your finger lightly over the left cover touch key, then the right cover touch key.

To unlock the cover display, open the fold, or slide your finger lightly over **Unlock** (the right cover touch key), then **OK** (the right cover touch key).

If the phone goes into sleep mode, press the PTT key first, then slide your finger lightly over left cover touch key, following with the right cover touch key.

Your phone

Cover settings

Select  > *Settings* > *Config.* > *General* > *Cover display* >

- *Brightness* to adjust the brightness of the cover display. Close the cover and press the volume key to adjust the brightness.
- *Answer if fold opened* to answer a call when you open the fold
- *Sleep mode* to set whether the cover display is switched off when the power saver time-out is reached

Personalize the cover display

To personalize the cover display, select  > *Settings* > *Themes* > *Cover display* >

- *Theme* to select a theme for the cover display or the default theme
- *Wallpaper* to select a wallpaper or the wallpaper set by the theme
- *Screen saver* to select an image, animation, or no screen saver
- *Closing animation* to select an animation activated when the fold is closed
- *Closing fold tone* to select a tone activated when the fold is closed
- *Opening fold tone* to select a tone activated when the fold is opened

■ **Keypad lights**

To view or edit keypad light and notification settings, select  > *Settings* > *Config.* > *General* > *Personalization* > *Keypad lights*

- *Keypad light color* to select the keypad light color. To preview a color, scroll to the color and wait a moment.
- *Notification time-out* to select for how long keypad light notifications of events are displayed. New events reset the time-out period. To disable the notification time-out, scroll left to *Off*. Notifications are displayed for incoming calls, alarms, missed calls and new text and multimedia messages. During an incoming call or an alarm the keypad lights flash more quickly.
- *Notification color* to select the keypad light color for notifications. To preview a color, scroll to the color and wait a moment. To cycle all

Your phone

colors sequentially, select *Cycle all colors*. To use a random color, select *Random color*.

■ Standby mode

When you have switched on the phone, and it is registered to a network, the phone is in the standby mode and ready for use.

To open the list of last dialed numbers, press the call key.

To use the voice commands or voice dialing, press and hold the right selection key.

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

To start a connection to the web, press and hold 0.

Active standby

When active standby is enabled, you can use the display for fast access to frequently used applications. To select whether the active standby is shown, select  > *Settings* > *Config* > *General* > *Personalization* > *Idle screen mode* > *Idle scr. theme* > *Horizontal icon bar*.

In active standby the default applications are shown across the top of the active standby area. To select an application or event, scroll to it, and select it.

Offline profile

To activate the *Offline* profile, press the power key, and select *Offline*.

When the *Offline* profile is active, the connection to the wireless network is turned off. All wireless radio frequency signals to or from your phone are prevented, and you can use your phone without a SmartChip card. Use the offline profile in radio sensitive environments—on board aircraft or in hospitals. You can listen to music using the music player when the offline profile is active.

To leave the Offline profile, press the power key, and select another profile.



Important: In the offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. Calls may still be possible to the official emergency number programed into your

Your phone

device. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code.

■ Indicators

3G or  – The phone is connected to a UMTS or GSM network.

3G – HSDPA (network service) in the UMTS network is activated.

X – The phone is in the offline mode and not connected to a cellular network.

 – A memory card is inserted in the phone.

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

@ – You received new e-mail in your remote mailbox.

 – There are messages waiting to be sent in *Outbox*.

 – You have missed calls.

 – *Ringing type* is set to *Silent* and *Message alert tone* and *E-mail alert tone* are set to *Off*.

 – The phone keypad is locked.

 – The loudspeaker is activated.

 – An alarm is active.

 – All calls to the phone are forwarded to another number.

 or  – A headset or a loopset is connected to the phone.

 or  or  – A GPRS packet data connection is active, the connection is on hold, or a connection is available.

 or  or  – A packet data connection is active in a part of the network that supports EGPRS, or the connection is on hold, a connection is available. Your phone may not use EGPRS in the data transfer.

 or  or  – A UMTS packet data connection is active, the connection is on hold, or a connection is available.

 or  – Bluetooth is switched on, or data is being transmitted using Bluetooth.

 – A USB connection is active.

Your phone

Other indicators may also be shown.

■ Menu

In the menu you can access the functions in your phone. To access the main menu, press .

To open an application or a folder, scroll to it, and press the scroll key.

To change the menu view, select  > **Options** > *Change Menu view* and a view type.

If you change the order of the functions in the menu, the order may differ from the default order described in this user guide.

To close an application or a folder, select **Back** and **Exit** as many times as needed to return to the standby mode, or select **Options** > *Exit*.

To display and switch between open applications, press and hold . Scroll to an application, and select it.

To mark or unmark an item in applications, press **#**. To mark or unmark several consecutive items, press and hold **#**, and scroll up or down.

Leaving applications running in the background increases the demand on battery power and reduces the battery life.

■ Volume control

To adjust the earpiece or loudspeaker volume during a call or when listening to an audio file, press the volume keys. To activate or deactivate the loudspeaker during a call, select **Loudspeaker** or **Handset**.



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

Your phone

■ Keypad lock (keyguard)

To lock the keypad in the phone mode, press the left selection key and * within 1.5 seconds. To set the phone to automatically lock the keypad after a certain time, select **☰** > *Settings* > *Config.* > *General* > *Security* > *Phone and SmartChip* > *Keypad autolock period* > *User defined* and the desired time.

To unlock the keypad in the phone mode, select **Unlock**, and press * within 1.5 seconds.

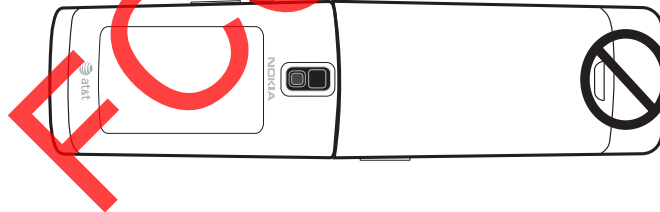
To lock the keypad in the music mode, press the power key quickly two times, and select *Lock keypad*. To unlock the keypad in the music mode, select **Unlock** > **OK**.

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



■ Antenna

Your device has an internal antenna located at the bottom of the phone.



Your phone



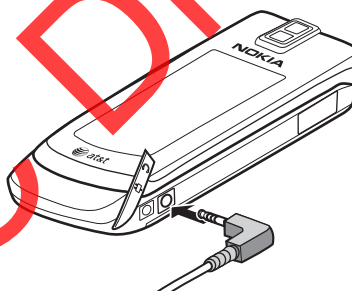
Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating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



■ Connect a compatible headset

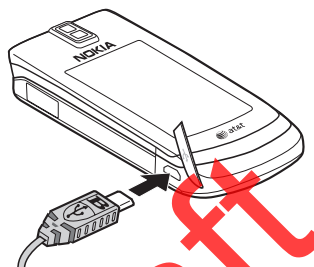
Do not connect products that create an output signal as this may cause damage to the device. Do not connect any voltage source to the Nokia Connector.

When connecting any external device or any headset, other than those approved by Nokia for use with this device, to the Nokia Connector, pay special attention to volume levels.



■ Connect a USB data cable

To set the default USB connection mode, select **☰ > Settings > USB > USB connection mode** and the desired mode. To set whether the default mode is activated automatically, select **Ask on connection > No**.



3. Call functions

To adjust the volume during the call, press the volume key.

■ Make a voice call

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

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

2. To call the number, press the call key.
3. To end the call, or to cancel the call attempt, press the end key.

To make a call from *Addr. Book*, select **☰ > Addr. Book**. Scroll to the desired name; or enter the first letters of the name, and scroll to the desired name. To call the number, press the call key.

To call a recently dialed number, press the call key in the standby mode to see a list numbers. Select the number to call and press the call key.

Voice dialing

A voice tag is added automatically to all entries in *Addr. Book*. Use long names, and avoid similar names for different numbers.

Make a voice dialing call

Voice tags are sensitive to background noise. Use voice tags in a quiet environment.

Call functions



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

1. In the standby mode, press and hold the right selection key.
If you are using a compatible headset with the headset key, press and hold the headset key.
2. When *Speak now* is displayed, speak the voice command clearly. The phone plays the voice command of the best match. After 1.5 seconds, the phone dials the number; if the result is not the correct one, before dialing select **Next** and another entry.

Make a conference call

The phone supports conference calls (network service) between a maximum of six participants, including yourself.

1. Make a call to the first participant.
2. To make a call to another participant, select **Options** > *New call*.
3. To create the conference call when the new call is answered, select **Options** > *Conference*.
To add a new person to the conference call, repeat step 2, and select **Options** > *Conference* > *Add to conference*.
4. To end the conference call, press the end key.

■ Answer or reject a call

To answer a call, press the call key.

To mute the ringing tone, select **Silence**.

To reject the call, press the end key, or select **Options** > *Reject*. If you have activated *Call forward* > *If busy*, rejecting the call forwards the call.

To send a text message as a reply to the caller instead of answering the call, select **Options** > *Send text message*. To activate the text message reply and edit the message, select  > *Settings* > *Config.* > *Phone* > *Call* > *Reject call with message* and *Message text*.

Cellular Video

Call waiting

During a call, to answer the waiting call, press the call key. The first call is put on hold. To switch between the two calls, select **Swap**. To end the active call, press the end key.

To activate the *Call waiting* function (network service), select **☰** > *Settings* > *Config.* > *Phone* > *Call* > *Call waiting* > *Activate*.

Options during a call

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

Select **Options** during a call for some of the following options:

Transfer—to connect a call on hold to an active call and disconnect yourself

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

4. Cellular Video

From the standby mode, select **☰** > *Cellular Video* to access to the AT&T wireless internet. Cellular Video (CV) provides links to a variety of content such as video clips from TV shows, news, sports, and weather. Access the wireless internet with MEdia™ Net to purchase and download music, games, graphics, multimedia, and applications to your phone.

If you have questions about billing or about accessing this website, please contact your service provider. Visit <http://www.wireless.att.com/> for more information.

5. Write text

■ Traditional and predictive text input

When you write text,  on the display indicates predictive text input and  traditional text input. To set the predictive text input on or off, press # repeatedly, or press *, and select *Activate predictive text* or *Predictive text > Off*.

Abc, **abc**, **ABC** or **123** next to the text input indicator indicates the character case or number mode. To change the character case or between letter and number mode, press # repeatedly.

Select  > *Settings > Config. > General > Personalization > Language > Writing language* to change the writing language of your phone. The writing language affects the characters available when writing text and the predictive text dictionary used. Not all characters available under a number key are printed on the key.

Write with traditional text input

Press a number key, 2 to 9, repeatedly until the desired character appears. Press the 1 key for the most common punctuation marks and special characters.

If the next letter you want is on the same key as the present one, wait until the cursor appears (or scroll forward to end the time-out period), and enter the letter.

Write with predictive text input

1. Press a number key, 2–9, only once for one letter. The word changes after every keypress. For the most common punctuation marks, press 1.
2. When you have finished the word and it is correct, to confirm it, scroll forward or insert a space.
If the word is not correct, to view the matching words the dictionary has found one by one, press * repeatedly.
If the ? character is shown after the word, the word you intended to write is not in the dictionary. To add a word to the dictionary, select **Spell**. Enter the word (up to 32 letters), and select **OK**. The word is

Messaging

added to the dictionary. When the dictionary becomes full, a new word replaces the oldest added word.

Common functions in traditional and predictive text input

To insert a number, press and hold the number key.

To enter punctuation marks and special characters, press and hold *.

To erase a character, press the clear key. To erase more characters, press and hold the clear key.

To insert a space, press 0. To move the cursor to the next line, press 0 three times.

■ Copy and delete text

1. To select letters and words, press and hold #, and at the same time scroll left or right. To select lines of text, press and hold #, and at the same time scroll up or down.
2. To copy the text, press and hold #, and at the same time select **Copy**.
To delete the selected text, press the clear key.
3. To insert the text, scroll to the insertion point, press and hold #, and at the same time select **Paste**.

6. Messaging

Before you can receive or send messages or e-mail, you must have the necessary settings and access points defined. Contact your service provider for the settings.

■ Write and send messages

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, take up more space, limiting the number of characters that can be sent in a single message.

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.

M e s s a g i n g

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

1. Select  > *Messaging* > *Messages* > *New message* and the message type. To create a text message or multimedia message, select *Message*. The message type changes automatically based on the content.
2. In the *To* field, enter the phone numbers or e-mail addresses of the recipients, or to select recipients from *Addr. Book*, press the scroll key. Separate recipients with a semicolon (;).
3. To enter the subject for a multimedia, or e-mail message, scroll down to the *Subject* field. If the subject field is not visible for a multimedia message, select *Options* > *Message header fields*, mark *Subject*, and select *OK*.
4. Scroll down to the message field and enter the message content.

When you write a text message, the message length indicator shows how many characters you can enter in the message. For example, 10 (2) means that you can still add 10 characters for the text to be sent as a series of two text messages.

To insert an object, such as an image, video clip, note, or a business card, to a multimedia, or e-mail message, select *Options* > *Insert content*. Use the scroll key to move across the icons at the bottom of the message. Press the center selection key or select *Select* to insert the content.

To record a new sound clip for an audio message, select *Insert audio clip* > *New*. To use a previously recorded sound clip, select *Insert audio clip* > *From My Stuff*.

5. To send the message, select *Options* > *Send*.

■ Inbox

Inbox contains received messages except e-mail and cell broadcast messages. To read received messages, select  > *Messaging* > *Messages* > *Inbox* and the message.

To view the list of media objects that are included in the multimedia message, open the message, and select *Options* > *Objects*.

M e s s a g i n g



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

Your phone can receive many kinds of messages, such as operator logos, business cards, calendar entries, and ringing tones. You can save the special message content to your phone. For example, to save a received calendar entry to the calendar, select **Options** > *Save to Calendar*.



Note: The picture message function can be used only if it is supported by your service provider. Only compatible devices that offer picture message features can receive and display picture messages. The appearance of a message may vary depending on the receiving device.

Service messages

Service messages (network service) are notifications that may contain a text message or the address of a browser service.

To define whether service messages are enabled and whether the messages are downloaded automatically, select **⌘** > *Messaging* > *Messages* > **Options** > *Settings* > *Service message*.

■ E-mail

When you create a new mailbox, the name you give to the mailbox replaces *New mailbox*. You can have up to six mailboxes.

IMAP4 and POP3 mailboxes

Select **⌘** > *Messaging* > *Messages* and the mailbox. *Connect to mailbox?* is displayed. Select **Yes** to connect to your mailbox (network service) or **No** to view previously retrieved e-mail messages offline.

To connect to the mailbox afterwards, select **Options** > *Connect*. When you are online, to end the data connection to the remote mailbox, select **Options** > *Disconnect*.

Retrieve and read e-mail messages



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

Messaging

1. Select **Options** > *Retrieve e-mail* and whether you want to retrieve new, selected, or all messages.
2. To open an e-mail message, select it.
To view e-mail attachments, indicated with , select **Options** > *Attachments*. You can retrieve, open, or save attachments in supported formats.

Delete e-mail messages

To delete an e-mail message from the phone and retain it in the remote mailbox, select **Options** > *Delete* > *Phone only*. To delete an e-mail from both the phone and the remote mailbox, select **Options** > *Delete* > *Phone and server*.

To cancel deletion of an e-mail from both the phone and server, scroll to an e-mail that has been marked to be deleted during the next connection, and select **Options** > *Restore*.

Sync mailboxes

Select  > *Messaging* > *Messages* and the sync mailbox.

To synchronize your phone with the remote mailbox, select **Options** > *Synchronization* > *Start*.

To view received messages, select *Inbox* and the message.

■ Outbox

The outbox folder is a temporary storage place for messages that are waiting to be sent. To access the outbox folder, select  > *Messaging* > *Messages* > *Outbox*.

To retry sending a message, scroll to the message and select **Options** > *Send*.

To postpone sending a message, scroll to a message, and select **Options** > *Defer sending*.

■ View messages on the SmartChip card

Before you can view SmartChip messages, you need to copy them to a folder in your phone. Select  > *Messaging* > *Messages* > **Options** >

M e s s a g i n g

SmartChip messages, mark the messages you want to copy, and select **Options > Copy** and the folder to which you want to copy the messages.

■ Cell broadcast

Check with your service provider whether cell broadcast (network service) is available and what the available topics and related topic numbers are.

Select  > **Messaging > Messages > Options > Cell broadcast**. To activate the service, select **Options > Settings > Reception > On**.

■ Service commands

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

■ Messaging settings

Text message settings

To define text message settings, such as the message center and character encoding used, select  > **Messaging > Messages > Options > Settings > Text message**.

Multimedia messaging settings

To define multimedia message settings, such as which access point is used and whether multimedia messages are retrieved automatically, select  > **Messaging > Messages > Options > Settings > Multimedia message**.

E-mail settings

Select  > **Messaging > Messages > Options > Settings > E-mail > Mailboxes**, the mailbox and from the following:

Connection settings – to define the connection settings such as the servers and protocol used

User settings – to define user settings such as when messages are sent and whether to include a signature

Recent calls

Retrieval settings — to define retrieval settings such as which parts of the messages are retrieved and how many messages are retrieved

Automatic retrieval — to define settings for retrieving messages automatically at set intervals or when an e-mail notification is received from the server

Other settings

To define whether a specified number of sent messages are saved to the *Sent* folder and whether to store the messages in the phone memory or memory card, select  > *Messaging* > *Messages* > *Options* > *Settings* > *Other*.

■ Instant messaging

Instant messaging (IM, network service) allows you to converse with others and join discussion forums (IM groups) with specific topics.

Check the availability of IM services, pricing, and tariffs with your service provider.

Select  > *Messaging* > *Messages* > *IM*.

7. Recent calls

To view missed, received, or dialed calls; text messages; packet data connections; and fax and data calls registered by the phone, select  > *Recent Calls*.

In the standby mode, you can use the call key as a shortcut to the *Recent calls* log (a network service).



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



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

8. MEdia Net

You can access various mobile internet services with your phone browser.



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

Check the availability of these services, pricing, and instructions with your service provider.

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

■ Set up browsing

You may receive the configuration settings required for browsing as a configuration message from the service provider that offers the service you want to use. You can also enter all the configuration settings manually.

■ Connect to a service

Ensure that the correct configuration settings of the service are activated.

1. To select the settings for connecting to the service, select > *MEdia Net* > *Settings* > *Configuration sett.*
2. Select *Configuration*. Only the configurations that support browsing service are shown. Select a service provider or *Default* for browsing. See "Set up browsing," p. 35.
3. Select *Account* and a browsing service account contained in the active configuration settings.
4. Select *Displ. term. window* > *Yes* to perform manual user authentication for intranet connections.

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

- Select > *MEdia Net*. In the standby mode, press and hold 0, or press the **MEdia Net** key under the left selection key.
- To select a bookmark of the service, select > *MEdia Net* > *Options* > *Bookmarks*.

M E d i a N e t

- To select the last URL, select **Ⓜ** > *MEdia Net* > *Last MNet addr.*
- To enter the address of the service, select **Ⓜ** > *MEdia Net* > *Go to.*
Enter the address of the service, and select **OK**.

■ Browse pages

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

Browse with phone keys

To browse through the page, scroll in any direction.

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

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

Direct calling

While browsing, you can make a phone call, and save a name and a phone number from a page.

■ Bookmarks

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

1. In the standby mode, select **Ⓜ** > *MEdia Net*, or select the **MEdia Net** key to connect to the web. While browsing, select **Options** > *Add bookmark*.
2. Select **Ⓜ** > *MEdia Net* > *Bookmarks* to view a list of saved bookmarks.
3. Scroll to a bookmark, and select it, or press the call key to make a connection to the page associated with the bookmark.
4. Select **Options** to view, edit, delete, or send the bookmark; to create a new bookmark; or to save the bookmark to a folder.

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Receive a bookmark

When you have received a bookmark that is sent as a bookmark, 1 bookmark received is displayed. To view the bookmark, select **Show**.

■ Appearance settings

While browsing, select **Options > Other options > Appearance settings** and from the following options:

Text wrapping – Some websites may not automatically wrap text. Select *On* to allow text to wrap to the next line for viewing entire headings.

Font size – to set the font size

Show images > No – to hide images on the page

Alerts > Alert for unsec. conn. > Yes – to set the phone to alert when a secure connection changes to an unsecure one during browsing

Alerts > Alert for unsec. items > Yes – to set the phone to alert when a secure page contains an unsecure item. These alerts do not guarantee a secure connection. For more information, see "Browser security," p. 39.

Character encoding > Content encoding – to select the encoding for the browser page content

Character encoding > Unicode (UTF-8) addr. > On – to set the phone to send a URL as a UTF-8 encoding

Screen size > Full or Small – to set the screen layout

Show page title – to show the page title of a web address

JavaScript > Enable – to enable the Java scripts

■ Security settings

Cookies

A cookie is data that a site saves in the cache memory of your phone. Cookies are saved until you clear the cache memory. See "Cache memory," p. 39.

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

Scripts over secure connection

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

While browsing, to allow the scripts, select **Options** > *Other options* > *Security* > *WMLScript settings*; or in the standby mode, select  > *MEdia Net* > *Settings* > *Security settings* > *WMLScripts in conn.* > *Allow*.

■ Download settings

To automatically save all downloaded files in *Tones & Graphics*, select  > *MEdia Net* > *Settings* > *Downloading sett.* > *Automatic saving* > *On*

■ Service inbox

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

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

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

Service inbox settings

Select  > *MEdia Net* > *Settings* > *Service inbox sett.*

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

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

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

■ Cache memory

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

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

■ Browser security

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

Security module

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

To view or change the security module settings, select  > *Settings* > *Security* > *Security module sett.*

Certificates



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

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

To view the list of the authority or user certificates downloaded into your phone, select  > *Settings* > *Config.* > *General* > *Security* > *Certificate management* > *Authority certificates* or *User certificates*.



is displayed during a connection, if the data transmission between the phone and the content server is encrypted.

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

Digital signature

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

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

AT&T Mall

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

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

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

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

Select the user certificate you want to use. Enter the signing PIN. The digital signature icon disappears, and the service may display a confirmation of your purchase.

9. AT&T Mall

From the standby mode, select  > *AT&T Mall* to access to the AT&T Mall website. The AT&T Mall provides links to a variety of content such as tones, games, graphics, multimedia, and applications that may be purchased and downloaded to your phone.

If you have questions about billing or about accessing this website, please contact your service provider.

10. AT&T Music

This menu provides access to the music player, various music-related tools, applications, and services.

To open the music player from the standby mode, select  > *AT&T Music* > *Music player*, or press the right selection key.

You can extend the available memory with a microSD memory card. Your device supports a microSD card with up to 8GB memory. You can insert or remove a microSD card without switching the phone off.

To maximize the performance of your device, it is recommended that no more than 100 files are stored in any folder.

Use only compatible microSD cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may

not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

■ Music player



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

Select  > *My Stuff* > *Songs* to start the music player.

You can listen to music when the *Offline* profile is activated. See "Offline profile," p. 20.

Listen to music

In *Songs*, select the category, such as *All songs* and a song to listen to.

Playback control

To play or pause a song, press the play/pause/stop key.

To stop the playback, press and hold the play/pause/stop key to stop the playback.

To rewind or skip backwards, press the rewind key.

To fast forward or to skip forward, press the fast forward key.

To control the player, you can also use the scroll key.

To adjust the volume, use the volume key.

To switch random play () on, select **Options** > *Shuffle* > *On*.

To repeat a song () or all songs () , select **Options** > *Repeat* > *Repeat song* or *Repeat all*.

To modify the tone of the music playback, select **Options** > *Equalizer*.

To modify the balance loudness or stereo widening, select **Options** > *Audio settings*.

To view a visualization during playback, select **Options** > *Start visualization*.

To return to the standby mode and leave the player in the background, press the end key. In *Active standby*, the currently playing song is

displayed. To return to the music player, select the currently playing song.

Music menu

To select more music to play in *Now playing* view, select **Options** > *Go to Music menu*. To return to the *Now playing* view, select **Options** > *Go to Now playing*.

The music menu shows the music available in the phone and compatible memory card (if inserted).

To refresh the library after you have updated the song selection in your phone, select **Options** > *Refresh Music library*.

Playlists

In the music menu, select *Playlists*.

To view details of the playlist, select **Options** > *Playlist details*.

Create a playlist

1. Select **Options** > *Create playlist*.
2. Enter a name for the playlist, and select **OK**.
3. To add songs now, select **Yes**. To show the song list under an artist title, scroll to the artist, and scroll right. To hide the song list, scroll left. Select the songs to be added, and to add the songs, select **Add**.
4. When you have made your selections, select **Done**. If a compatible memory card is inserted, the playlist is saved to the memory card.

To add more songs later, when viewing the playlist, select **Options** > *Add songs*.

To reorder songs in a playlist, scroll to the song you want to move, select **Options** > *Reorder list* > **Grab**, scroll to a new position, and select **Drop**.

Music store

To go to the music shop, in the *Music player*, select **Options** > *Go to Music store*.

In the music shop (network service) you can search, browse, and purchase music for downloading to your phone. You must have music shop settings and valid internet connections to use this service.

AT&T Music

The variety and appearance of music shop services and the music shop settings may vary. For more information and availability of the music shop, contact your service provider.

The settings may also be predefined in your phone. You may be able to edit the settings; select **Options** > *Settings*.

Transfer music

You can buy music protected with WMDRM from online music shops, and transfer the music to your phone.

To transfer music from a compatible PC or other compatible devices, use a compatible USB cable or Bluetooth connectivity. You cannot transfer WMDRM protected music files using Bluetooth.

To refresh the library after you have updated the song selection in your phone, in the *Music menu*, select **Options** > *Refresh Music library*.

The requirements of the PC for music purchase and transfer:

- Microsoft Windows XP operating system (or later)
- Compatible version of Windows Media Player application
- Compatible version of Nokia PC Suite

Transfer music from PC

You can use three different methods to transfer music:

- To use Nokia Music Manager in Nokia PC Suite, connect the compatible USB cable or activate Bluetooth connection, and select *PC Suite* as the connection mode.
- To synchronize music with Windows Media Player, connect the compatible USB cable and select *Media player* as the connection mode. A compatible memory card needs to be inserted in the phone. You can transfer WMDRM protected music files only using *Data transfer*.
- To view your phone on a PC as an external hard drive where you can transfer any data files, make the connection with a compatible USB cable, or with Bluetooth connectivity using PC Suite file manager.

If you are using the USB cable, select *Data transfer* as the connection mode. A compatible memory card needs to be inserted in the phone.

My Stuff

To change the default USB connection mode, select **⌘** > *Settings* > *Connectivity* > *USB* > *USB mode*.

Both Windows Media Player and Nokia Music Manager in Nokia PC Suite have been optimized for transferring music files. For information about transferring music with Nokia Music Manager, see the Nokia PC Suite user guide.

Music transfer with Windows Media Player

Music synchronisation functions may vary between different versions of the Windows Media Player application. For more information, see the corresponding Windows Media Player guides and helps.

11. My Stuff

Select **⌘** > *My Stuff*.

Use *My Stuff* to save and organize your images, video clips, songs, audio clips, streaming links, and presentations.

To copy files to phone memory or to the memory card, select the folder (such as *Images*), scroll to the file or mark the files, and select **Options** > *Organize* > *Copy to phone mem.* or *Copy to memory card*.

To set an image as a wallpaper or to be shown during a call, select *Images*, and scroll to the image. Select **Options** > *Use image*, *Assign to contact*, *Set as wallpaper*, *Set as cover wallpaper* or *Set as call image*.

To create image or video folders and move files to them, select *Images* or *Videos*, and scroll to a file. Select **Options** > *Organize* > *New folder* and the memory, and enter a name for the folder. Mark the files you want to move to the folder, and select **Options** > *Organize* > *Move to folder* and the folder.

■ Download files

Select **⌘** > *My Stuff*, the folder for the file type you want to download, and the download function (for example, *Images* > *Downl. graphics*). The browser opens. Choose a bookmark for the site to download from.

■ View videos and images

When you are viewing still images in the phone, you can view the next or previous images using the right and left scroll keys.

To pause recording, select **Pause**; to resume playing, select **Continue**. To stop a video, select **Stop**.

■ Edit images

To edit images in *My Stuff*, scroll to the image, and select **Options > Edit**.

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

Shortcuts in the image editor:

- To view an image in the full screen, and to return to the normal view, press **0**.
- To rotate an image clockwise or counterclockwise, press **3** or **1**.
- To zoom in or out, press **0**. To zoom in closer, press *****. Select **Back** to return the normal view.
- To move on a zoomed image, scroll up, down, left, or right.

■ Print images

You can use the phone with a PictBridge-compatible printer using USB cable.

To print images in *My Stuff*, scroll to the image, and select **Options > Print**.

■ Transfer videos from PC

To transfer videos from a compatible PC, use a compatible USB cable or Bluetooth connectivity.

The requirements of the PC for video transfer:

- Microsoft Windows XP operating system (or later)
- Compatible version of Nokia PC Suite
- Nokia Video Manager application (add-on application to PC Suite)

Address Book

To transfer videos with Nokia Video Manager, connect the compatible USB cable or activate Bluetooth connection, and select *PC Suite* as the connection mode.

To change the default USB connection mode, select **☰** > *Settings* > *Connectivity* > *USB* > *USB mode*.

Nokia Video Manager is optimized for transcoding and transferring video files. For information about transferring video with Nokia Video Manager, see the Nokia Video Manager help.

■ Audio clips

To download tracks or audio clips select **☰** > *My Stuff* > *Audio clips* > *Audio downl.* The browser opens, and you can select a bookmark from which the site can download.

■ Streaming links

Select **☰** > *My Stuff* > *Streaming links* > *Options* > *New link* to create a new streaming link. Enter the name and Web address. Scroll to links and select *Open* to go to a link.

■ Presentations

With presentations, you can view svg (scalable vector graphics) files, such as cartoons and maps. These files maintain their appearance when printed or viewed with different screen sizes and resolutions. To view svg files, select the **☰** > *My Stuff* > *Presentations*, scroll to an image, and select *Options* > *Play*.

12. Address Book

■ Save and manage contact information

To save and manage contact information, such as names, phone numbers, and addresses, select **☰** > *Addr. Book*.

To add a new contact, select *Options* > *New contact*. Fill in the fields you want, and select *Done*.

Address Book

To copy names and numbers from a SmartChip card to your phone or vice versa, scroll to the contact (or mark the desired contacts), and select **Options** > *Copy* > *Phone memory* or *SmartChip memory*.

To assign default numbers and addresses to a contact, select it, and select **Options** > *Defaults*. Scroll to the desired default option, and select **Assign**.

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

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

To view information about the memory consumption of contacts, select **Options** > *Contacts info*.

To create a contact group so that you can send text or e-mail messages to several recipients at the same time, select  > *Addr. Book*. Scroll to the right, and select **Options** > *New group*. Enter a name for the group, and select the group. Select **Options** > *Add members*. Mark the contacts you want to add to the group, and select **OK**.

■ Add a ringing tone

To set a ringing tone (also a video ringing tone) for each contact and group, select  > *Addr. Book*.

To add a ringing tone to a contact, select the contact and **Options** > *Ringing tone*, and the desired ringing tone.

To add a ringing tone to a group, scroll right to the groups list, and scroll to a contact group. Select **Options** > *Ringing tone* and the ringing tone for the group.

To remove the personal or group ringing tone, select *Default tone* as a ringing tone.

13. Games and Apps

In the standby mode, select  > *Games and Apps*. > to manage applications and games. These files are stored in the phone memory or an attached microSD memory card and may be arranged in folders.

For options to format or lock and unlock the memory card, see "Format a memory card," p. 67 and "Lock or unlock a memory card," p. 68.

Launch a game or application

Your phone software includes some games.

Select  > *Games & apps*. Scroll to the desired game or application, and select **Open**.

Application options

Update version — to check if a new version of the application is available for download from web (network service)

MEdia net page— to provide further information or additional data for the application from an internet page (network service), if available

App. access — to restrict the application from accessing the network

Download an application

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



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

You can download new Java applications and games in different ways.

Use the Nokia Application Installer from PC Suite to download the applications to your phone, or select  > *Games & apps* >

Options > *Download applications*; the list of available bookmarks is shown. See "Bookmarks," p. 36.

For the availability of different services and pricing, contact your service provider.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third-party sites are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take precautions for security or content.

■ Flash Player

Select  > *Games & apps* > *Flash Player*.

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

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

■ Push to talk

Select  > *Games & apps* > *PTT*.

Push to Talk (PTT) is a two-way radio service available over a GSM cellular network (network service).

You can use PTT to have a conversation with one person or with a group of people having compatible devices and service. While you are connected to the PTT service, you can use the other functions of the phone.

To check availability and costs, and to subscribe to the service, contact your network operator. Service availability may differ from that for normal calls. Visit wireless.att.com/ptt for additional information.

Before you can use the PTT service, you must define the required PTT service settings. See "PTT Settings," p. 54.

Always switch PTT off before switching the phone off or removing the battery.

Switch PTT on and off

To disconnect from the PTT service, select  > *Games & apps* > *PTT* > *PTT settings* > *PTT Service* > *Off*.

To connect to the PTT service, select  > *Games & apps* > *PTT*. If you have added groups to the phone, you are automatically joined to the active groups. There may be a brief delay while PTT connects.

Connection Indicators

These indicators appear on the standby screen next to the clock.

-  PTT is connected; your status is **Available**
-  Service is disconnected
-  Information is waiting
-  Your status is **Do Not Disturb**

Add Contacts

You can add individual contacts or create contact groups to call several people at once.

Add a one-to-one contact

To add a contact to the PTT contacts list, select  > *Games Et apps* > *PTT* > *Add Contact*. Enter the name and telephone number of the new contact. An invitation is sent to the person.

Add a contact group

You can save a group of contacts so you can call them collectively.

To add a PTT contact group, select  > *Games Et apps* > *PTT* > *Add Group* and name the group.

To add an existing contact to the group, select *From PTT contacts* and mark the contacts you want added to the new group.

To add a new contact to the group, select *Enter Manually*. Enter the name and telephone number of the new contact. An invitation is sent to the person.

Make and receive a PTT call



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

To make a group call, a one-to-one call, or a call to multiple recipients, you must hold the PTT key as long as you talk. To listen to the response, release the PTT key.

Games and Apps

You can check the login status of your contacts in **☰ > Games & apps > PTT > PTT Contacts**. To add a contact, select **☰ > PTT > Add Contact**. See "Add a one-to-one contact," p. 51 for more information.

Contact status indicators

These indicators appear next to your contacts and provide information about their connection status.

-  Contact is available
-  Contact is available with phone set to vibrate or silent
-  Do not disturb; you cannot contact this person
-  Invitation is in progress; you cannot contact this person
-  Contact has PTT switched off; you cannot contact this person

Make a one-to-one call

To start a one-to-one call from the list of contacts to which you have added the PTT telephone number, select **☰ > PTT > Games & apps > PTT Contacts**. Scroll to a contact, and press and hold the PTT key while talking. Remember that you must release the PTT key to receive their reply.

To start a one-to-one call from the list of PTT groups, select **PTT Contacts**, scroll to the desired group, and select **View**. Scroll to the desired contact, and press and hold the PTT key while talking.

Make a group call

To make a call to a group, select **PTT Contacts** in the PTT menu, scroll to the desired group, and press and hold the PTT key while talking.

Make a PTT call to multiple recipients

To select multiple PTT contacts from the contact list, create a Quick Group. The recipients receive an incoming call. If a recipient's phone is set to silent or vibrate, they must accept the call in order to participate.

1. Select **☰ > Games & apps > PTT > PTT Contacts** and mark the desired contacts. The Quick Group is automatically created.
2. Press and hold the PTT key to start the call. The group name is shown on the display, as soon as members join the call.

3. Press and hold the PTT key to talk to them. Release the PTT key to hear the response.
4. Press the end key to terminate the call.

Receive a PTT call

A short tone notifies you of an incoming PTT call. Information, such as the group, the phone number, or the nickname of the caller are displayed.

You can either accept or reject an incoming one-to-one call if you have set the phone to silent or vibrate.

When you press and hold the PTT key while the caller is talking, you hear a queuing tone. Release the PTT key, and wait for the other person to finish; then you can press and hold the PTT key and begin talking.

Change from PTT to mobile call

You can convert a one-to-one or group PTT call to a standard mobile call if you initiated the PTT call. Anytime during the PTT call select **Options** > *Convert to Cellular*. The call recipient(s) can then join your mobile call by pressing the PTT key.

Call Me Alerts

If you make a one-to-one call and do not get a response, you can send a request for the person to call you back.

Send a Call Me Alert

You can send a Call Me Alert in the following ways:

To send a Call Me Alert from the contacts list in the *PTT* menu, select *PTT contacts*. Scroll to a contact, and select **Options** > *Call Me Alert*.

To send a Call Me Alert from the group list in the *PTT* menu, select *PTT contacts*, and scroll to the desired group. Select **View**, scroll to the desired contact, and select **Options** > *Call Me Alert*.

Respond to a Call Me Alert

When someone sends you a Call Me Alert, *Please call (sender's name)* is displayed in the standby mode.

To call the sender, press and hold the PTT key.

To send a Call Me Alert to the sender, select **Options** > *Call Me Alert*.

Voice Messages

You can send a voice message to one of your PTT contacts or groups. From the *PTT contacts* menu, select the individual or group to receive the voice message. Select *Options* > *Voice Messages*. Push and hold the PTT key while speaking. Release the PTT key to deliver the message.

PTT Settings

Select  > *PTT* > *Games Et apps* > *PTT Settings*.

My Availability — to set your PTT status to Available or Do Not Disturb

Contact Alerts — to set a notification for when a contact becomes available

Set My Name — to set how your PTT name appears to your contacts and groups

Auto Accept Invites — to set the phone to automatically accept invitations from other PTT users

PTT Service — to switch the PTT service on or off

14. AT&T Navigator

■ GPS data

In *GPS data* and *Landmarks*, coordinates are expressed in degrees and decimal degrees format using the WGS-84 coordinate system.

GPS data is a GPS application that enables you to view your current location, find your way to a desired location, and track distance. *GPS data* requires an external GPS receiver with Bluetooth connectivity to operate and you must have the Bluetooth GPS positioning method enabled in *Positioning methods*.

Select  > *Tools* > *GPS data*.

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by

Tools

adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

Any GPS should not be used for precise location measurement, and you should never rely solely on location data from the GPS receiver and cellular radio networks for positioning or navigation.

The trip meter has limited accuracy, and rounding errors may occur. Accuracy can also be affected by availability and quality of GPS signals.

■ Landmarks

Landmarks are coordinates to geographic locations that you can save to your phone for later use in different location-based services. You can create landmarks using a Bluetooth GPS enhancement or network (network service).

Select  > *Tools* > *Landmarks*.

Positioning settings

To enable or disable positioning methods, define the positioning server and access point used, or define notation settings, select  > *Tools* > *Landmarks* > *Positioning*.

15. Tools

■ Notes

Select  > *Tools* > *Notes*. To write a new note, start writing. To save the note, select **Done**. You can save plain text files (.txt format) you receive to *Notes*.

■ Clock

Select  > *Tools* > *Clock*. To change the clock settings, and to set the time and date, select **Options** > *Settings*.

Tools

Alarm clock

To set a new alarm, scroll right to *Alarm*, and select **Options** > *New alarm*. Enter the alarm time, select whether and when the alarm is repeated, and select **Done**.

To cancel an alarm, scroll to the alarm, and select **Options** > *Remove alarm*. To deactivate a repeated alarm, select **Options** > *Deactivate alarm*.

Select **Stop** to turn off the alarm.

Select **Snooze** to stop the alarm for 5 minutes, after which it resumes. You can do this a maximum of five times.

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you select **Stop**, the device asks whether you want to activate the device for calls. Select **No** to switch off the device or **Yes** to make and receive calls. Do not select **Yes** when wireless phone use may cause interference or danger.

World clock

To set the phone to show the time in other locations, scroll right to *World*. To add a location, select **Options** > *Add location*.

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

■ Camera

To activate the camera, press the Camera/Video key, or select **Tools** > *Camera*. The display functions as a viewfinder. To take a self portrait, use the cover touch keys to open the camera with the fold closed.  on the upper left of the display indicates the still image mode.

Capture an image and record a video

Note: When using the camera with the fold closed, options for pre-selected settings are not available. To edit a photo, select *My Stuff* > *Images*. Open the photo and select **Options** > *Edit* > *Apply effect*. Scroll through the options on the screen and select the effect you want.

Tools

To capture an image, press the center selection key. The image is saved to *Images* in *My Stuff*. To return to the viewfinder, select **Back**. To delete the image, press the clear key. To delete an image when using the camera with the fold closed, select *Delete*.

To zoom in or out, select *Go to My Stuff* > **Options** > *Zoom in* or *Zoom out*.

To capture images sequentially, select **Options** > *Sequence mode* > *On*. When you press the center selection key, the camera captures six images in short intervals.

To turn the flash on automatically when necessary, select **Options** > *Flash* > *Automatic*.

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.

In dim lighting, to use night mode, select **Options** > *Night mode* > *On*.

To adjust the white balance or color tone, select **Options** > *Adjust* > *White balance* or *Color tone*.

To record a video, select **Options** > *Video mode*, or scroll right.  indicates the video mode. To start the recording, press the center selection key. To pause the recording, press the center selection key. To stop the recording, press and hold the center selection key.

To see the toolbar, select **Options** > *Show toolbar*, or press the left or right scroll key.

Camera settings

Your device supports an image capture resolution of 1200 x 1600 pixels.

To change camera settings for still images or videos when in the camera mode, select **Options** > *Settings* > *Image* or *Video* and the desired setting.

■ Recorder

The voice recorder allows you to record voice call conversations and voice memos. If you record a phone conversation, all parties hear a beeping sound during recording.

Recorded files are saved in the *Sound clips* folder in *My Stuff*.

Tools

Select  > *Tools* > *Recorder*. To record a sound clip, select **Options** > *Record sound clip*, or select . To listen to the recording, select .

■ Calendar

Select  > *Tools* > *Calendar*. Press # in month, week, or day views to automatically highlight the current date.

To add a new calendar entry, select **Options** > *New entry* and an entry type. *Anniversary* entries are repeated every year. *To-do* entries help you to keep a list of tasks that you need to do. Fill in the fields, and select **Done**.

■ Calculator

Select  > *Tools* > *Calculator*. When entering numbers, press # to add a decimal.



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

■ Converter

Select  > *Tools* > *Converter*. You can convert measurement parameters such as *Length* from one unit to another, for example, *Yards* to *Meters*.

The converter has limited accuracy and rounding errors may occur.

Before you can convert currency, you need to choose a base currency (usually your domestic currency) and add exchange rates. The rate of the base currency is always 1. Select *Currency* as the measurement type, and select **Options** > *Currency rates*. To change the base currency, scroll to the currency, and select **Options** > *Set as base currency*. Add exchange rates, scroll to the currency, and enter a new rate.

After you insert all the required exchange rates, you can convert currency. In the first *Amount* field, enter the value to be converted. The other *Amount* field changes automatically.



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

■ Help

Your phone has context-sensitive help. To access help when an application is open, select **Options** > *Help*. To switch between help and the application that is open in the background, select and hold , and select from the list of open applications.

To open help from the main menu, select  > *Tools* > *Help*. Select an application to view a list of help topics, and select the related help text. To open a keyword list, select **Options** > *Search*.

■ RealPlayer

Select  > *Tools* > *RealPlayer*.

With RealPlayer, you can play media files such as video clips saved in the phone memory or memory card, or stream media files over the air by opening a streaming link. RealPlayer does not support all file formats or all the variations of file formats.

To play, select a media file or a streaming link in *Video clips*, *Streaming links*, or *Recently played*.

To stream live content, you must first configure your default access point. Select  > *Tools* > *RealPlayer* > **Options** > *Settings* > *Streaming* > *Network*. Contact your service provider for more information.



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

16. Settings

■ Speed dial

Speed dialing is a quick way to call frequently used numbers in the standby mode. You need to assign a phone number to the speed dialing keys 2 to 9 (the 1 key is reserved for the call mailbox), and set *Speed dialing* to *On*.

To assign a phone number to a speed dialing key, select  > *Settings* > *Speed dial*. Scroll to a key icon, and select **Options** > *Assign*. Select the

Settings

contact and the number for the speed dial. To change the number, select **Options > Change**.

To set *Speed dialing* to *On*, select  > **Settings > Config. > Phone > Call > Speed dialing > On**.

To call a speed dialing number, press and hold the speed dialing key until the call begins.

■ Voicemail

To call your voice mailbox (network service), press and hold 1 in the standby mode.

To define the voicemail number if no number is set, select  > **Settings > Voice mailbox**. Scroll to *Voice mailbox* and select **Define number**, and enter the corresponding mailbox number. To change the call mailbox number, select **Options > Change number**. Contact your service provider for the voice mailbox number.

■ Profiles

In *Profiles*, you can adjust and customize the phone tones for different events, environments, or caller groups. You can see the currently selected profile at the top of the display in the standby mode. If the *Normal* profile is in use, only the current date is shown.

Select  > **Settings > Profiles**.

To activate the profile, select the profile and **Activate**.



Tip: To quickly change to *Silent* profile from any other profile, in the standby mode, press and hold #.

To customize a profile, select the profile, **Customize**, and the desired settings.

To set the profile to be active until a certain time within the next 24 hours, select *Timed* and the time.

When using the *Offline* profile, the phone is not connected to the cellular network. If no SmartChip card is installed, to use some functions of the phone, start the phone in *Offline*.

Settings



Important: In the offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. Calls may still be possible to the official emergency number programed into your device. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code.

■ Config.

General

Select  > *Settings* > *Config.* > *General* and from the following:

Personalization—to adjust the display, keypad lights, idle screen mode, tones, themes, language, and voice command settings. See "Keypad lights," p. 19.

Date and time—to set the time and date and the display format

Cover display—to set the brightness level, answer if fold is opened, and turn sleep mode on or off.

Enhancement—to change the settings for an enhancement. Select an enhancement and the desired setting.

Security—to change the phone and SmartChip card settings, such as PIN and lock codes; view certificate details and check authenticity; and view and edit security modules

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

Factory config.—to reset some of the settings to their original values. You need the lock code.

Positioning (network service)—to change positioning settings. See "Positioning settings," p. 55.

Phone

Call

Select  > *Settings* > *Config.* > *Phone* > *Call* and from the following:

Send my caller ID (network service)—to display or hide your phone number from the person whom you are calling

Settings

Call waiting (network service)—See "Call waiting," p. 27.

Reject call with message and *Message text*—See "Answer or reject a call," p. 26.

Automatic redial—to set the phone to make a maximum of 10 attempts to connect the call after an unsuccessful call attempt

Show call time and *Summary after call*—to set the phone to display the call duration during a call and the approximate duration of the last call

Speed dialing—See "'Speed dial," p. 59."

Anykey answer—to answer an incoming call by briefly pressing any key, except the left and right selection keys, volume keys, power key, and end key.

Call forward

1. Select  > *Settings* > *Config.* > *Phone* > *Call forwarding* (network service).
2. Select which calls you want to forward, for example, *Voice calls*.
3. Select the desired option. For example, to forward voice calls when your number is busy or when you reject an incoming call, select *If busy*.
4. Select **Options** > *Activate* and the phone number to which you want to forward the calls. Several forwarding options can be active at the same time.

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

Call restriction

1. Select  > *Settings* > *Phone* > *Call restriction* (network service) to restrict the calls that you make and receive with your phone.
2. Scroll to the desired restriction option, and select **Options** > *Activate*. To change the settings, you need the restriction password from your service provider.

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

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

Settings

Network

Select  > *Settings* > *Config.* > *Phone* > *Network* and from the following:

Network mode—to select which network to use (shown only if supported by the service provider). If you select *Dual mode*, the phone uses the GSM or UMTS network automatically.

Operator selection—To set the phone to search for and automatically select one of the available networks, select *Automatic*. To select the desired network manually from a list of networks, select *Manual*. The selected network must have a roaming agreement with your home network.

Cell info display (network service)—to set the phone to indicate when it is used in a cellular network based on microcellular network (MCN) technology and to activate cell info reception

Connection

Select  > *Settings* > *Config.* > *Connection* and from the following:

Bluetooth—to switch Bluetooth on or off, and edit Bluetooth settings. See "Bluetooth connection settings."

USB—to edit USB settings. See "'USB," p. 67."

Destinations—to define the connection methods used for reaching a particular destination

Data counter—to set the data counter connection and access points.

Data call—to set the online time for the data call connection. The data call settings affect all access points that use a GSM data call.

Video sharing—to set video sharing on or off, SIP profile, video saving, preferred memory, and alert note.

Presence—to define the server name, SIP profile, XDM settings, number of contacts and subscriptions, and the domain language editor.

SIP configuration—to set or edit the default or existing profile.

XDM profile—to define the XDM connection methods, access points, and password.

Settings

Configurations—to view and delete configuration contexts. Certain functions, such as web browsing and multimedia messaging, may require configuration settings. You may receive the settings from your service provider. See "Service settings," p. 8.

Applications

To view and edit settings of applications installed to your phone, select **☰** > *Settings* > *Config.* > *Applications* and from the following:

RealPlayer—to set video repeat on or off and streaming proxy and access points.

Camera—to set camera image quality, show captured image, resolution, date or text, and memory in use. Also, to set video length, resolution, date or text, and memory in use.

Voice recorder—to set recording quality and memory in use.

App. manager—to set signed software installation, online certificate checks, and default web address.

Recent calls—to set the log duration of recent calls.

■ **Voice commands**

To select the functions to use by voice command, select **☰** > *Settings* > *Voice comm.*. The voice commands for changing profiles are in the *Profiles* folder.

To activate a new voice command for an application, select **Options** > *New application* and the application. To play the activated voice command, select **Options** > *Playback*.

To use voice commands, see "Voice dialing," p. 25.

■ **Themes**

To change the look of your phone display, activate a theme.

Select **☰** > *Settings* > *Themes*. To see a list of the available themes, select *General*. The active theme is indicated by a check mark.

To preview a theme, scroll to the theme, and select **Options** > *Preview*. To activate the previewed theme, select **Set**.

Settings

In *Themes*, you can also set the menu view type, set a theme for the standby mode, set a custom wallpaper, personalize the look of the power saver, and select an image shown during a call.

■ Bluetooth connectivity

Bluetooth wireless technology enables wireless connections between electronic devices within a maximum range of 10 meters (33 feet).

This device is compliant with Bluetooth Specification 2.0 supporting the following profiles: Advanced Audio Distribution, Audio/Video Remote Control, Basic Imaging, Basic Printing, Device Identification, Dial Up Networking, File Transfer, Hands-free, Headset, Human Interface Device, Object Push, Serial Port, SIM Access, Phonebook Access, Generic Audio/Video Distribution, Generic Access, and Generic Object Exchange. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

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

Features 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.

Do not accept Bluetooth connections from sources you do not trust.

A Bluetooth connection is disconnected automatically after sending or receiving data.

Bluetooth connection settings

Select **⌵ > Settings > Connectivity > Bluetooth**.

Bluetooth—to switch Bluetooth connectivity on or off

My phone's visibility > Shown to all—to allow your phone to be found by other devices with Bluetooth connectivity at all times. To allow your phone to be found for a defined time period, select *Define period*. For security reasons it is advisable to use the *Hidden* setting whenever possible.

My phone's name—to define a name for your phone

Settings

Remote SIM mode > On—to enable the usage of the SIM card of the phone by another device (for example, a car kit) by Bluetooth technology (SIM access profile)

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

Send data

1. Open the application where the item you wish to send is saved.
2. Scroll to the item you want to send, and select **Options > Send > Via Bluetooth**.
3. The phone starts to search for devices within range. Paired devices are shown with ***⌘**. Some devices may show only the unique device addresses. To find out the unique address of your phone, enter the code ***#2820#** in the standby mode.

If you have searched for devices earlier, a list of devices found previously is shown. To start a new search, select *More devices*.

4. Select the device with which you want to connect.
5. If the other device requires pairing before data can be transmitted, a tone sounds and you are asked to enter a passcode. Create your own passcode and share the passcode with the owner of the other device. You do not have to memorize the passcode.

Pair and block devices

To open a list of paired devices, in the *Bluetooth* view, scroll right.

To pair with a device, select **Options > New paired device**, select the device with which to pair, and exchange passcodes.

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

To set a device to be authorized, scroll to the device, and select **Options > Set as authorized**. Connections between your phone and an

Settings

authorized device can be made without your knowledge. Use this status only for your own devices to which others do not have access, for example, your PC or devices that belong to someone you trust.  is added next to authorized devices in the *Paired devices* view.

To block connections from a device, in the paired devices view, select the device and *Block*.

To view a list of blocked devices, scroll right to *Blocked devices*. To unblock a device, scroll to the device, and select *Delete*.

Receive data

When you receive data using Bluetooth technology, you are asked if you want to accept the message. If you accept, the item is placed in *Inbox* in *Messaging*.

■ USB

To set the default USB connection mode, select  > *Settings* > *USB* > *USB connection mode* and the desired mode. To set whether the default mode is activated automatically, select *Ask on connection* > *No*.

■ File manager

To browse, open, and manage files and folders in the phone memory or on a memory card, select  > *Settings* > *File mgr.*

Back up and restore phone memory

To back up information from phone memory to the memory card or restore information from the memory card, in *File manager*, select *Options* > *Back up phone memory* or *Restore from card*. You can only back up the phone memory and restore it to the same phone.

Format a memory card

When a memory card is formatted, all data on the card is permanently lost. Some memory cards are supplied preformatted and others require formatting.

1. In the *File manager* view, select the memory card.
2. Select *Options* > *Memory card options* > *Format*.

3. When formatting is complete, enter a name for the memory card.

Lock or unlock a memory card

To set a password to help prevent unauthorized use, in the *File manager* view, select the memory card and **Options** > *Memory card password* > *Set*. You are asked to enter and confirm your password. The password can be up to eight characters long.

If you insert another password-protected memory card into your phone, you are prompted to enter the password of the card. To unlock the card, select **Options** > *Unlock memory card*.

■ Application manager

You can install two types of applications to your phone:

- J2ME™ applications based on Java™ technology with the extension .jad or .jar. PersonalJava™ applications cannot be installed on your phone.
- Other applications and software suitable for the Symbian operating system. The installation files have the .sis or .sisx extension. Only install software specifically designed for your phone.



Important: Only install and use applications and other software from trusted sources, such as applications that are Symbian Signed or have passed the Java Verified™ testing.

Installation files may be transferred to your phone from a compatible computer, downloaded during browsing, or sent to you in a multimedia message, as an e-mail attachment or by using Bluetooth. You can use Nokia Application Installer in Nokia PC Suite to install an application to your phone or a memory card.

Installed applications are placed in  > **Applications** > **My own**.

To open *Application manager*, select  > **Settings** > *App. mgr.*

Install an application

The .jar file is required for installing Java applications. If it is missing, the phone may ask you to download it.

To install an application or software package:

Settings

1. Select *Not installed*, and scroll to an installation file. Applications on the memory card are indicated with .
2. Select **Options** > *Install*.

Alternatively, search the phone memory or the memory card, select the application, and press the scroll key to start the installation.

During the installation, the phone shows information about the progress of the installation. If you are installing an application without a digital signature or certification, the phone displays a warning. Continue installation only if you are sure of the origins and contents of the application.

Java applications may attempt to, for example, establish a data connection or send a message. To edit the permissions of an installed Java application and define which access point the application will use, select *Installed*, scroll to the application, and select **Open**.

After you install applications to a compatible memory card, installation files (.sis) remain in the device memory. The files may use large amounts of memory and prevent you from storing other files. To maintain sufficient memory, use Nokia PC Suite to back up installation files to a compatible PC, then use the file manager to remove the installation files from the device memory. See "File manager," p. 67. If the .sis file is a message attachment, delete the message from the Messaging inbox.

Remove an application

In the *Application manager* main view, select *Installed*, scroll to the software package, and select **Options** > *Remove*.

■ **Connection manager**

To view detailed information about a connection such as the bearer, status, and the amount of data sent or received, scroll to the connection and select **Open**. The details shown depend on the connection type.

■ **Device manager**

To open the device manager, select  > *Settings* > *Device mgr.*

Update software

The current software version is displayed in the *Updates* view.

Settings



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

Downloading software updates may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

Make sure that the device battery has enough power, or connect the charger before starting the update.

1. In the *Updates* view, select **Options** > *Check for updates*.

If an update is available, the phone starts downloading it.

2. After a successful download, to install the update, select **Now**. To start the installation later, select **Later**.

To start the installation process later, select **Options** > *Install update*.

If no server profile has been defined, the phone asks you to create one, or if there are several, to select from a list of servers.

Contact your service provider for server profile settings.

Configure your phone

You may receive configuration settings from your service provider or company information management department.

To connect to a server and receive configuration settings for your phone, scroll right to *Profiles*, scroll to the server profile, and select **Options** > *Start configuration*.

To edit a server profile, scroll to the profile, and select **Options** > *Edit profile*.

Contact your service provider or company information management department for the server profile settings.

■ Sync

To synchronize your phone and PC, select  > *Settings* > *Sync* and mark the applications you want to synchronize and select **Options** > *Synchronize*. To edit, change, create new profiles, view the log, or copy all from a server, select **Options** and scroll to the item.

17. Battery information

■ Charging and discharging

Your device is powered by a rechargeable battery. 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. Use only replacement batteries qualified with the device per the IEEE-1725-2006 standard. Use of other batteries or chargers may present a risk of fire, explosion, leakage, or other hazard.

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 several minutes before the charging indicator appears on the display or before any calls can be made.

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 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.

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.

Do not dismantle, cut, open, crush, bend, deform, puncture, or shred cells or batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of such a leak, flush your skin or eyes immediately with water, or seek medical help.

Battery information

Do not modify or remanufacture, attempt to insert foreign objects into the battery or immerse or expose it to water or other liquids.

Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service center for inspection before continuing to use it. Use the battery only for its intended purpose. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

■ 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, and inspect the hologram label using the following steps:

Successful completion of the 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 you look 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.



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 following suggestions 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.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

These 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



Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste.

Return the products to collection to prevent possible harm to the environment or human health from uncontrolled waste disposal and to promote the sustainable reuse of material resources. Collection information is available from the product retailer, local waste authorities, national producer responsibility organizations, or your local Nokia representative. For more information, see product Eco-Declaration or country-specific information at www.nokia.com.

Additional safety information

■ Small children

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 2.2centimeters (7/8inches) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body. To transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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

■ Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any

Additional safety information

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.

Implanted medical devices

Manufacturers of medical devices recommend that a minimum separation of 15.3 centimeters (6 inches) should be maintained between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimeters (6 inches) from the medical device when the wireless device is turned on.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device to minimize the potential for interference.
- Turn the wireless device off immediately if there is any reason to suspect that interference is taking place.
- Read and follow the directions from the manufacturer of their implanted medical device.

If you have any questions about using your wireless device with an implanted medical device, consult your health care 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.

Additional safety information

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 and areas where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

■ Emergency calls



Important: Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programed 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. In the offline or flight profiles, you may need to unlock the device and change to the calling profile before making a call. Consult this guide or your service provider for more information.

Additional safety 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.

■ Hearing aids

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



Warning: For hearing aid compatibility, you must turn off the Bluetooth connectivity.

Your mobile device model complies with FCC rules governing hearing aid compatibility. These rules require an M3 microphone or higher value. The M-value, shown on the device box, refers to lower radio frequency (RF) emissions. A higher M-value generally indicates that a device model has a lower RF emissions level, which may improve the likelihood that the device will operate with certain hearing aids. Some hearing aids are more immune than others to interference. Please consult your hearing health professional to determine the M-rating of your hearing aid and whether your hearing aid will work with this device. More information on accessibility can be found at www.nokiaaccessibility.com.

■ 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 0.66 W/kg.

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements.

and the network band. Additional SAR information may be provided under product information at www.nokiausa.com.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). 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 0.92 W/kg and when properly worn on the body is 0.68 W/kg.

FCC Draft

Index

A

- access codes
 - lock code 13
 - module PIN 13
 - PIN 13
 - PIN2 13
 - PUK 14
 - PUK2 14
 - restriction password 14
 - signing PIN 13
 - UPIN 13
 - UPUK 14
- active standby 16
- Address Book. See contacts.
- assigning a number 56
- AT&T Mail 38
- AT&T Music 38
- audio clips 44

B

- battery
 - charging 12
- Bluetooth
 - connection settings 61
 - receiving data 63
 - sending data 62
- bookmarks 33
- browser 32, 34, 35

C

- cache memory 36
- calculator 53
- calendar 53
- call key 15
- calls
 - answering 23
 - conference call 23
 - ending 22
 - forward 58
 - forwarding 58
 - international 22
 - making 22
 - options during a call 24
 - rejecting 23
 - rejecting with text message 23
 - speed dial 56
 - swapping 24

- voice dial 23
- voice mailbox 56
- waiting 24
- camera and video key 15
- Cellular Video 24
- certificates 37
- charger connector 15
- clear key 15
- contacts 44
 - memory consumption 45
- converter 54
- cookies 35
- cover display 16, 19
- cover settings 20

D

- data connection indicators 17
- digital rights management 14
- digital signature 37
- display 15
- downloads 35

E

- earpiece 15
- e-mail messages
 - deleting 29
 - retrieving 28
- end key and power key 15

F

- Flash Player 46

G

- games 46
- GPS data 55

H

- headset connector 15
- hearing aid compatibility 73
- help 8, 54

I

- indicators 17
- instant messaging 31
- internet 32

K

keyguard. See keypad lock.
keypad 15
keypad lights 18
keypad lock 20

L

landmarks 55
left selection key 15
light settings 18
listening to music 41
lock and unlock the cover display 20
loudspeaker 15

M

MEdia Net 32, 33
MEdia Net key 15
MEdia net key 15
media player. See RealPlayer.
menu 18
menu key 15
messages
 outbox 29
 service commands 30
 service messages 28
 SmartChip messages 29
micro USB connector 15
microphone 15
microSD card slot 15
music player
 downloading music 42
 music shop 42
 playlists 42
 transferring music 42
music. See music player.
My Stuff 38
 transferring videos 40

N

notes 51

P

paired devices 62
personalize the cover display 20
presentations 44
profiles 56
PTT key 15
pushed messages 35

R

RealPlayer
recent calls 31
recorder 53
restriction password. See access codes
right selection key 15
ringing tones
 add to contacts 45
 add to groups 45

S

scroll key 15
security
 module 36
service
 inbox 35
 messages 35
services 32
settings
 connection 59
 data call 60
 downloads 35
 messaging 30
 packet data 59
 positioning 55
 PTT 60
 service inbox 36
 writing language 25
SmartChip card
 using phone without a SmartChip card 17
songs
 transferring 42
speed dial 55
speed dialing 56
standby mode 16
streaming links 44
svg files 44

T

text input
 copying text 26
 deleting text 26
themes 61
transferring music 42
transferring videos 40

U

updating software 66

I n d e x

V

videos
 transferring 40
voice commands 60
voice dialing 22
voice recorder. See recorder.
volume 19
volume key 15

W

wireless markup language 32
write and send messages 26
writing text. See text input.

X

XHTML 32

FCC Draft

I n d e x

FCC Draft