Nokia X2 User Guide

CE0434

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Issue 1.0

Contents

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 device 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.

ACCESSORIES AND BATTERIES
Use only approved accessories and batteries. Do not connect incompatible products.

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

■ About your device

The wireless device with the type designator RM-717 described in this guide is approved for use on the GSM 850, 900, 1800, and 1900 networks.

The model number for this device is X2-01.

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

Copyright protection may prevent some images, music, and other content from being copied, modified, or transferred.

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 access such sites, you should take precautions for security or content.

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 device you must have service from a wireless service provider. Some features are not available on all networks; other features may require that you make specific arrangements with your service provider to use them. Network services involve transmission of data. Check with your service provider for details about fees in your home network and when roaming in other networks. Your service provider can explain what charges will apply. Some networks may have limitations that affect how you can use some features of this device requiring

9

network support such as support for specific technologies like WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols and language-dependent characters.

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 customized items such as menu names, menu order, and icons.

■ Shared memory

The following features in this device may share memory: tones, graphics, contacts, text messages, multimedia, and instant messages, e-mail, calendar, To-Do Notes, Java™ games, applications, and the Notes application. Use of one or more of these features may reduce the memory available for the remaining features. If your device displays a message that the memory is full, delete some of the information or entries stored in the shared memory.

■ Access codes

The security code helps to protect your device against unauthorized use. You can create and change the code, and set the device to request the code. Keep the code secret and in a safe place separate from your device. If you forget the code and your device is locked, your device will require service and additional charges may apply. For more information, contact a Nokia Care point or your device dealer.

The PIN code supplied with the SIM card protects the card against unauthorized use. The PIN2 code, supplied with some SIM cards is required to access certain services. If you enter the PIN or PIN2 code incorrectly three times in succession, you are asked for the PUK or PUK2 code. If you do not have them, contact your service provider.

The module PIN is required to access the information in the security module of your SIM card. The signing PIN may be required for the digital signature. The restrictions password is required when using the call restriction service.

To define how your device uses the access codes and security settings, select **Menu** > *Settings* > *Security*.

■ Accessories, 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-3U charger.

Warning: Use only batteries, chargers, and accessories 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 accessories, please check with your dealer. When you disconnect the power cord of any accessories, grasp and pull the plug, not the cord.

1. Get started

■ Insert SIM card and battery

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

This device is intended for use with the BL-5C battery. Always use original Nokia batteries. See "Nokia battery authentication guidelines", p. 63.

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

1. Remove the back cover (1,).

2. Remove the battery and insert the SIM card (2).

3. Replace the battery (3).

4. Replace the back cover (4 and 5).
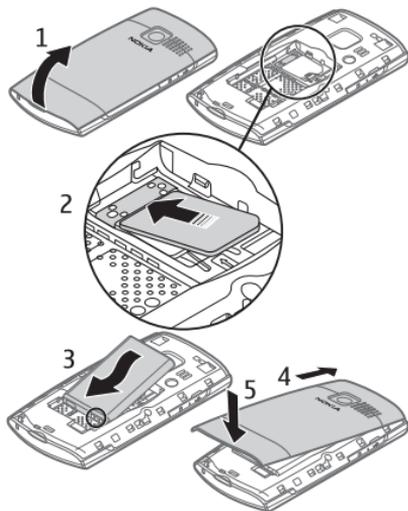
■ Insert a microSD card

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.

Your device supports microSD cards with a capacity of up to 8 GB.

A compatible memory card may be supplied with the device, and may already be inserted in the device. If not, do the following:

1. Open the cover of the memory card slot.

2. Make sure the contact area of the memory card is facing down. Push the card in, until you hear a click.

3. Close the cover of the memory card slot.
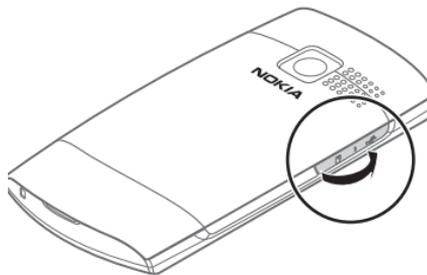
■ Remove the microSD card

You can remove or replace the memory card without switching the device off, but make sure that no application is currently accessing the memory card.
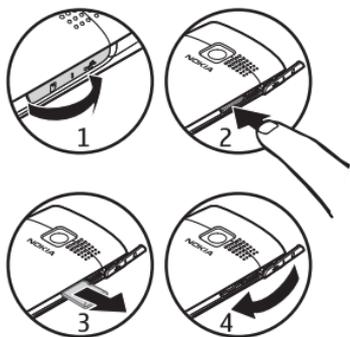
■ Charge the battery

Your battery has been partially charged at the factory. If the device indicates a low charge, do the following:

1. Connect the charger to a wall socket.

2. Connect the charger to the device.

3. When the device indicates a full charge, disconnect the charger from the device, then from the wall outlet.
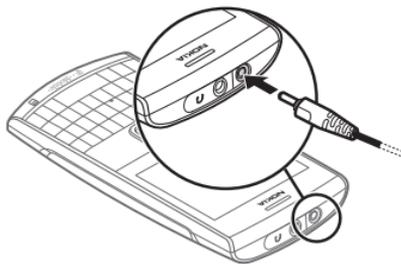
You do not need to charge the battery for a specific length of time, and you can use the device while it is charging. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

■ Connect a headset

You can connect a Nokia universal 3.5 mm headset to your device.
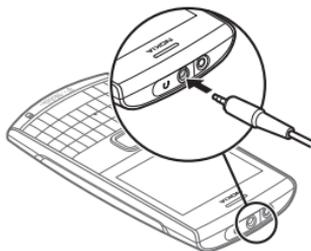
■ Wrist strap

Insert a thread through the wrist strap hole. Place the thread around the post. Tighten the thread.
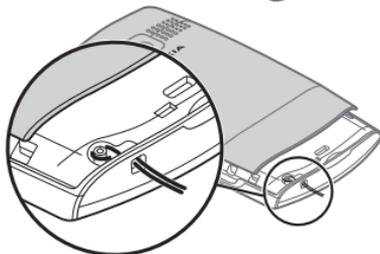
■ Antenna

Your device may have internal and external antennas. Avoid touching the antenna area unnecessarily while the antenna is transmitting or receiving. Contact with antennas affects the communication quality and may cause the device to operate at a higher power level than otherwise needed and may reduce the battery life.

15
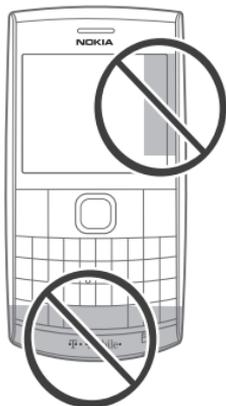
2. Your device

■ Keys and parts

1. Earpiece
2. Selection keys
3. Call key
4. Navi™ key (scroll key)
5. End/Power key
6. Backspace key
7. Enter key
8. Microphone
9. Space key

10. web2go key
11. Function key
12. Shift key
13. Symbol key
14. Messaging key
15. Crtl key

16. Headset connector
17. Charger connector
18. Camera lens
19. Wrist strap hole
20. Loudspeaker
21. USB connector
22. Memory card slot
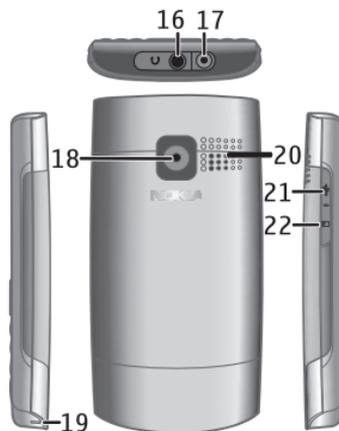
■ Switch the device on or off

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

Press and hold the power key.

Turn the volume up or down

To adjust the volume of the earpiece or media player, press the scroll key up or down during a call.

Set the time, time zone, and date

Enter the local time, select the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT), and enter the date. See "Set time and date", p. 30.

■ Home screen display

1. Network signal strength

2. Battery charge status

3. Status indicators

4. Network name or the operator logo

5. Profile

6. Clock

1	2	3	4
5			7
6			8
		9	8
			8
10	10	10	
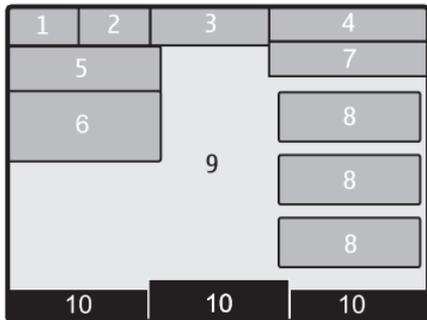
7. Date (if the nhanced home screen is deactivated)

8. Widget

9. Display

10. Function of the selection keys

Activate the home screen

1. To activate the enhanced home screen, select **Menu** > *Settings* > *Display* > *Home screen* > *Home screen mode* and set to On or Off. The default selection is On.

2. Select *Personalize view*.

3. Scroll to the desired content section, and select *Change* or *Assign*.

Add contacts to Favorite contacts

You can easily communicate with your family and friends.

When you activate the home screen, favorite contacts is automatically added.

To add a contact to the widget, in the home screen, scroll to the Favorite contacts widget,and select **Options** > *Add new favorite*.

Scroll to the contact, and select Options and from the following:

Call or *Send message* — Call or send a text message to the contact .

Change image — Change the image for the contact.

Organize favorites — To change the order, select *Move*. Scroll to where your want to move the contact, and select **OK**.

Remove a favorite contact — Remove the contact from the widget. The contact is not deleted from your contacts list.

■ Lock or unlock the keypad (keyguard)

Select **Menu** or **Unlock**, and press the Function key
🔲 within 1.5 seconds to lock or unlock the keypad.

To activate the automatic keyguard, select **Menu** >
Settings > *Phone* > *Automatic keyguard*.
The default is set to On.

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

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

Security keyguard

The security keyguard requires a 5-10 digit code to
protect against unauthorized use. The default code
is 12345. To change the code and activate the
security keyguard, select **Menu** > *Settings* > *Phone* > *Security keyguard*.

When the security keyguard is activated, enter the security code if requested.

For more information, see *Security keyguard*, in "Phone", p. 35.
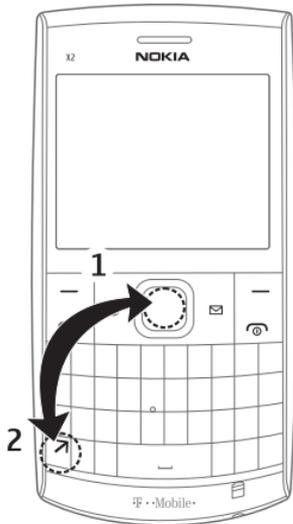
■ Functions without a SIM card

Several functions of your device may be used without inserting a SIM card
(for example, data transfer with a compatible PC or another compatible device).
Without a SIM card, some functions appear dimmed in the menus and cannot
be used.

To make an emergency call, some networks may require that a valid SIM card is properly inserted in the device.

3. Call functions

■ Make a voice call

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

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

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

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

To search for a name or phone number that you have saved in the contacts list press the scroll key down, see "Search for a contact", p. 27. Press the call key to call the number.

To access the list of dialed, received or missed calls, in the home screen, press the call key. To call the number, select a number or name, and press the call key.

1-touch dialing

Assign a phone number to one of the 1-touch dialing keys, 2-9. Call the number in either of the following ways:

• Press a 1-touch dialing key, then the call key.

• If *1-touch dialing* is activated, press and hold a 1-touch dialing key until the call begins. See *1-touch dialing* in "Call settings", p. 34.

Vanity dialing

You can dial an alphanumeric phone number (using numbers and letters).
For example, 888-NOKIA-2U. Enter the numbers located in the center of the
keypad. To enter letters, press and hold the function key 🖉 (at the bottom left of
the keypad) and press the letters you want to dial. The phone automatically dials
the corresponding numbers for the letters entered.

4. Navigate the menus

The device functions are grouped into menus.

To access the main menu, select **Menu**.

To change the menu view, select **Options** > *Main menu view* and the desired
option. The default view is a grid. You can also choose to view the menu as a list or
single menu.

To rearrange the menu, scroll to the item you want to move, and select **Options** >
Organize > **Move**. Scroll to where you want to move the item, and select **OK**.
To save the change, select **Done**.

5. Music

■ My music

Your phone includes a media player for listening to songs, recordings, or MP3, MP4,
Windows Media Audio (WMA), Advanced Audio Coding (AAC), AAC+, SP-MIDI,
WAV, AMR, QCELP, MIDI, 3GP, or High Efficiency Advanced Audio Coding (EAAC+)
sound files that you have transferred to the phone. Music files are automatically
detected and added to the default playlist.

■ Play songs

1. Select **Menu** > *Music* > *My music* > *Go to Media player.* The details of the first song on the default playlist are displayed.

2. To play a song, scroll to the song, and select ▶.

3. To skip to the beginning of the next song, select ⏭. To skip to the beginning of the previous song, select ⏮ once.

4. To rewind the current song, select and hold ⏪. To fast-forward the current song, select and hold ⏩. Release the key at the position you want.

5. To pause the playback, select ⏸.

> **Warning:** Continuous exposure to high volume may damage your hearing. Listen to music at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

■ My music options

In the music player menu, media player options can be saved in the following views:

All Music — Contains all songs.

Play Lists — Create new playlists, check the currently playing music, view recently added playlists, find the songs played most often, and view all playlists.

Artists — Songs organized by an artist's name.

Albums — Songs organized by albums.

Genres — Songs organized by genres.

Videos — Contains all music videos.

■ Settings

To modify settings, select **Menu** > *Music* > *My music* > *Go to Media player* >
Options > *Settings* and from the following:

Shuffle — Play songs in a random order.

Repeat — Repeat the current song, all songs, or deactivate repeat.

Equalizer — Open the list of media equalizer sets.

Stereo widening — Activate stereo widening.

■ Other options

Go to Media menu — Go to the main media menu.

Now playing — View the song currently playing.

Add to playlist — Add the current song to the favorites playlist.

Downloads — Download music from the web.

Mute audio — Mute the audio.

Play via Bluetooth — Connect and play music through a Bluetooth enabled
accessory.

■ Radio

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

> **Warning:** Continuous exposure to high volume may damage your
> hearing. Listen to music at a moderate level, and do not hold the device
> near your ear when the loudspeaker is in use.

Select **Menu** > *Music* > *Radio.*

To use the graphical keys ▲ , ▼ , ◄◄ , or ►► on the display, scroll left or right to the desired key, and select it.

Save radio frequencies

1. To start searching for a station, select and hold ◄◄ or ►► . To change the radio frequency in 0.05 MHz steps, briefly select ◄◄ or ►► .

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

3. Enter the name of the radio station.

Listen to the radio

Select **Menu** > *Music* > *Radio.* To scroll to the desired frequency, select ▲ or ▼ , or press the headset key. To select a saved radio station, briefly press the corresponding number keys. To change the volume, use the scroll key.

Select from the following:

Switch off — Turn off the radio.

Save station — Save a new radio station.

Stations — View the list of saved stations. To delete or rename a station, scroll to the desired station, and select **Options** > *Delete station* or *Rename.*

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

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

Set frequency — Enter the frequency of the desired radio station.

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

When an application is sending or receiving data, it may interfere with the radio.

6. Contacts

You can save names and phone numbers (contacts) in the phone memory and on the SIM card.

The phone memory may save contacts with additional details, such as various phone numbers and text items. You can also save an image for a limited number of contacts.

The SIM card memory can save names with one phone number attached to them. The contacts saved in the SIM card memory are indicated with 📇.

■ Save contacts

Make sure that the memory in use is *Phone* or *Phone and SIM*. See "Settings", p. 24.

To save a name and phone number, select **Menu** > *Contacts* > *Names* > **Options** > *Add new* ; or select **Menu** > *Names* > *Add* new.

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

In the phone memory you can save different types of phone numbers, a tone or a video clip, and short text items for a contact.

■ Search for a contact

Select **Menu** > *Contacts* > *Names*. Scroll through the list of contacts, or enter the first characters of the name you are searching for. Press the call key to call the number.

To save details for a contact, search for the contact to which you want to add a detail, and select **Details** > **Options** > *Add detail*. Select from the options available.

■ Edit contacts

After you find the contact you want to edit, select **Options** > *Edit* to edit a name or number.

■ Delete contacts

To delete all the contacts and the details attached to them from the phone or SIM card memory, select **Menu** > *Contacts* > *More* > *Delete all contacts* > *From phone memoey* or *From SIM card*.

To delete a single contact, search for the desired contact, and select **Options** > *Delete contact*.

To delete a number, text item, or an image attached to the contact, search for the contact, and select **Details**. Scroll to the desired detail, and select **Options** > *Delete* and the desired option.

■ Copy or move contacts

You can move or copy contacts from the phone memory to the SIM card memory, or vice versa. The SIM card can save names with one phone number attached to them.

To move or copy contacts one by one, select **Menu** > *Contacts* > *More* > *Move contacts* or *Copy contacts*.

■ Groups

Groups allows you to arrange the names and phone numbers saved in the memory into caller groups with different ringing tones and associated images. To create a group, select **Menu** > *Contacts* > *More* > *Groups*. Enter the name of the group. Select View to see the members. Select Add to choose contacts from your phone book.

■ 1-touch dialing

To assign a number to a 1-touch dialing key, select **Menu** > *Contacts* > *More* > *1-touch dialing* and scroll to the 1-touch dialing number. You can also press and hold a number key to activate 1-touch dialing.

Select **Assign**, or if a number has already been assigned to the key, select **Options** > *Change*. Select **Find** and locate the contact you want to assign. If the *1-touch dialing* function is off, the phone asks whether you want to activate it. See also *1-touch dialing* in "Call settings", p. 34.

To make a call using the 1-touch dialing keys, see "1-touch dialing", p. 21.

■ My numbers

To view the phone numbers assigned to your SIM card, if the numbers are included on your SIM card, select **Menu** > *Contacts* > *More* > *My numbers*.

7. Settings

■ Activate a profile

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

Select **Menu** > *Settings* > *Profiles*, and the desired profile. Select from the following:

Activate — Activate the selected profile.

Customize — Customize the profile. Select the setting you want to change.

Timed — Set the profile to be active until a certain time within the next 24 hours. When the time set for the profile expires, the previous profile that was not timed is activated.

■ Change your theme

A theme contains elements for personalizing your device.

Select **Menu** > *Settings* > *Themes* and from the following:

Select theme — Open the Themes folder, and select a theme.

■ Tones

To modify the tone settings of the currently selected active profile,

select **Menu** > *Settings* > *Tones*.

To set the device to ring only for calls from phone numbers that belong to a selected caller group, select *Alert for*. Scroll to the caller group or *All calls*, and select **Mark**. For information on how to create a caller group, see "Groups", p. 28.

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

■ Display

Select **Menu** > *Settings* > *Display* and from the following:

Wallpaper — Add a background image in the home screen.

Home screen — Personalize home screen content for quick access to features.

Home scr. font col. — Select the color for the text in the home screen.

Notification details — Display contact information in missed calls and messages received.

Main menu view — Activate the type of menu view.

Font size — Set the font size for messaging, contacts, and web pages.

■ Set time and date

Select **Menu** > *Settings* > *Date and time* > *Date and time settings*, *Date and time format*, or *Auto-update of date of time* (network service).

When traveling to a different time zone, select **Menu** > *Settings* > *Set time/date* > *Date and time settings* > *Time zone* and the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT) or Universal Time Coordinated (UTC). The time and date are set according to the time zone. This makes sure that your device to display the correct sending time of received text or multimedia messages. For example, GMT -5 denotes the time zone for New York (USA), 5 hours west of Greenwich/London (UK).

■ My shortcuts

In the Home screen, you can quickly access the following menus with the scroll key:

- Scroll up or down — Access the Home screen widgets.
- Scroll left — Open the alarm clock.
- Scroll right — Open the calendar.

Personalize shortcuts

You can personalize your selection and scroll key settings.

Left selection key

Select **Menu** > *Settings* > *My shortcuts* > *Left selection key* and a function.

In the home screen, select *Go to* > **Options** and from the following:

Select options — Add or remove a function to the shortcut list.

Organize — Rearrange the functions on your personal shortcut list.

Right selection key

Select **Menu** > *Settings* > *My shortcuts* > *Right selection key* and a function.

Navigation key

To assign other device functions from a predefined list to the navigation key (scroll key), select **Menu** > *Settings* > *My shortcuts* > *Navigation key*, and assign device functions from the list to the navigation key (scroll key).

■ Sync and backup

Select **Menu** > *Settings* > *Sync and backup* and from the following:

Sync with server — Copy files between your device and a PC or server.

Phone switch — Copy files with Bluetooth to another device.

Create backup — Back up data for storage on an external device.

Restore backup — Restore data to your device from an external device.

■ Connectivity

Your phone has several features that allow you to connect to other devices to transmit and recieve data.

Bluetooth wireless technology

This device is compliant with Bluetooth Specification 2.1 + EDR. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved accessories 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 increase the demand on battery power and reduce the battery life.

Bluetooth technology allows you to connect the device to a compatible Bluetooth device within 10 meters (32 feet). Since devices using Bluetooth technology communicate using radio waves, your device and the other devices do not need to be in direct line-of-sight, although the connection can be subject to interference from obstructions such as walls or from other electronic devices.

Set up a Bluetooth connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth* and from the following:

Bluetooth — Activate or deactivate Bluetooth. ❋ indicates that Bluetooth is activated. When activating Bluetooth for the first time, you are asked to give a name for the device. Use a unique name that is easy for others to identify.

Conn. to audio acc. — Search for compatible Bluetooth audio devices. Select the device that you want to connect to the device.

Paired devices — Search for any Bluetooth device in range. Select **New** to list any Bluetooth device in range. Select a device, and **Pair**. Enter an agreed Bluetooth passcode of the device (up to 16 characters) to associate (pair) the device to your device. You must only give this passcode when you connect to the device for the first time. Your device connects to the device, and you can start data transfer.

Active devices — View a list of active devices to which you have an active connection

Phone visibility — Hide or show your device to other devices.

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

My phone's name — Change the name of your device, which is visible to other Bluetooth devices.

Packet data

General packet radio service (GPRS) is a network service that allows mobile phones to send and receive data over an internet protocol (IP)-based network.

To define how to use the service, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data connection* and from the following:

When needed — Set the packet data connection to be established when an application needs it. The connection is closed when the application is terminated.

Always online — Set the device to automatically connect to a packet data network when you switch the device on.

USB data cable

Use a compatible USB data cable to connect your device to your PC, to print or store data using Nokia Ovi Suite.

■ Call settings

Select **Menu** > *Settings* > *Call* and from the following:

Call forwarding — Forward your incoming calls (network service). You may not be able to forward your calls if some call restriction functions are active. See *Call restrictions* in "Security", p. 37.

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

Automatic redial — Make a maximum of 10 attempts to connect the call after an unsuccessful call attempt.

1-touch dialing — Dial the names and phone numbers assigned to the 1-touch dialing keys **2** - **9**. To use, press and hold the corresponding number key.

Call waiting — See a notification for an incoming call while you have a call in progress (network service).

Call duration display — Display a counter during each call.

Summary after call — Display the approximate duration and cost (network service) of the call after each call.

Send my caller ID — Show your phone number to the person you are calling. (network service). To use the setting agreed upon with your service provider, select *Set by network.*

■ Phone

Select **Menu** > *Settings* > *Phone* and from the following:

Language settings — To set the display language of your device, select *Phone language*. To set the language according to the information on the SIM card, select *Automatic*.

Memory status — View the amount of used and available device memory.

Automatic keyguard — Set the keypad of your device to lock automatically after a preset time delay when the device is in the home screen and no function of the device has been used. Select *On*, and set the time.

Security keyguard — Set the device to ask for the security code when you unlock the keyguard. Enter the security code, and select *On*.

Flight query — Allows you to select if a prompt will appear each time the phone is switched on to ask if offline profile should be used. In offline profile, all radio connections are switched off. Offline profile should be used in areas sensitive to radio emissions.

Phone updates — Check your current software details.

Help text activation — Displaywhether the device shows help texts.

Start-up tone or *Switch off tone* — Play a tone when the device is switched on or off.

■ Accessories

This menu or the following options are displayed only if the device is or has been connected to a compatible mobile accessory.

Select **Menu** > *Settings* > *Accessories* and an accessory.

Charger — To turn the lights on permanently, select *Charger.* To trun the lights on for 15 seconds after a keypress, select *Automatic.*

Hearing aid > *T-coil hearing aid mode* — To optimize the sound quality when using a t-coil hearing aid. is shown when the T-coil hearing aid mode is active.

Connect to a TTY device

Your phone uses the HDA-12 TTY phone adapter to connect to a TTY device.

1. Connect the HDA-12 phone adapter to the headset connector on your phone.

2. Select **Menu** > *Settings* > *Accessories* > *Text phone* > *Use TTY* > **Yes**.

    Note: If the HDA-12 phone adapter is not connected, the Text phone menu will not be displayed. The TTY icon is displayed on the Home screen when the phone adapter is connected.

3. Connect the TTY device cable to the HDA-12 phone adapter.

    Note: The TTY device cable is supplied with the TTY machine by the TTY manufacturer.

    Important: You must connect the HDA-12 phone adapter to the phone before connecting the TTY device cable to the adapter. If you connect the HDA-12 phone adapter to the TTY device cable, and then to your phone, the message Accessory not supported is displayed.

■ Configuration

You can configure your device with settings required for certain services to function correctly. Your service provider may also send you these settings.

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

Default configuration settings — View the service providers saved in the device. To set the configuration settings of the service provider as default settings, select **Options** > *Set as default.*

Activate default in all applications — Activate the default configuration settings for supported applications.

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

Device manager settings — Select when to allow service software updates.

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

■ Security

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

Select **Menu** > *Settings* > *Security* and from the following:

PIN code request — To set the device to ask for your PIN code every time the device is switched on. Some SIM cards do not allow the code request to be switched off.

PIN2 code request — Select whether the PIN2 code is required when using a specific device feature which is protected by the PIN2 code. Some SIM cards do not allow the code request to be switched off.

Call restrictions — Restrict incoming calls to and outgoing calls from your device (network service). A restriction password is required.

Fixed dialing — Create a list of allowed phone numbers. When activated, calls and text messages are allowed only to numbers on the list.

Security level > *Phone* — Set the device to ask for the security code whenever a new SIM card is inserted into the device.

Access codes — Change the security code, PIN code, or PIN2 code.

Code in use — Activate the PIN code requirement.

Authority certificates — View the list of the authority certificates stored on your device.

User certificates — View the list of the user certificates stored on your device.

Security module settings — View security module details or modify PIN-related settings . See also "Access codes", p. 10.

■ Nokia account

With you Nokia account you can access all of Nokia's Ovi services. To access your Nokia account, select **Menu** > *Settings* > *Nokia account* and the information you want to edit.

■ Reset device

Select **Menu** > *Settings* > *Reset device*. You can reset some settings to their original values.

To restore settings only, select *Settings only* . To also delete personal data, select *All*. Enter the security code, or create one, if prompted. The default code is 12345.

The names and device numbers saved in the address book, are not deleted.

8. Visual Voicemail

Select **Menu** > *Voicemail.*

With Visual Voicemail, you can listen to your voice mail without calling the voice mail system. You must authorize the Visual Voicemail application to synchronize with your voice mail. Once your device is synchronized, all voice mails are displayed in your inbox, and can be played in any order.

This view shows the name of the sender, the time, and length of the voice mail. If a sender is in your contacts list, and you have assigned an image to the contact, the image is also displayed.

To go to the playback view, select a voice mail.

In this view, you can:

- Play or pause
- Skip to a different part
- Delete a voicemail
- Call the sender of a voicemail

9. web2go

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.

To check the availability of these services, pricing, fees, and instructions, contact 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. The appearance may vary due to screen size. You may not be able to view all details web pages.

■ Set up browsing

You may receive the configuration settings required for browsing as a configuration message from the service provider. See "Configuration", p. 36. 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 **Menu** > *web2go* > *Web settings* > *Configuration sett.*

2. Select *Configuration*. Only the configurations that support the browsing service are shown. Select a service provider, *Default*, or web2go for browsing. See "Set up browsing", p. 40

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

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

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

- Select **Menu** > *web2go* > *web2go*; or, in the standby mode, press and hold **0**.
- To select a bookmark of the service, select **Menu** > *web2go* > *Bookmarks.*

40

- To select the last URL, select **Menu** > *web2go* > *Last web addr.*

- To enter the address of the service, select **Menu** > *web2go* > *Go to address*. Enter the address of the service, and select **OK**.

■ Browse pages

After you make a connection to the service, you can start browsing. The function of the phone keys may vary in different services. Follow the instructions 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 choose **Select**.

To enter letters or numbers, press the **0**–**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. Select **Menu** > *web2go* > *Bookmarks*.

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

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

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.

Receive a bookmark

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

■ Appearance settings

Select **Menu** > *web2go* > *Web settings* > Display and from the following options:

Font size — to change the font size while browsing

Show images > *No* — to hide images on the page

Show title page > *Yes* — to set title page of the website to appear

Text wrapping — to select how the text appears on the display

Screen size > *Full* — to change the size of the browser

■ 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.

Select **Menu** > *web2go* > *Web settings* > *Security* > *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.

Select **Menu** > *web2go* > *Web settings* > *Security* > *WMLScripts* > *Allow.*

■ 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 are stored in the cache. Select **Menu** > *web2go* > *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 SIM 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 **Menu** > *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 **Menu** > *Settings* > *Security* > *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 the 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 SIM 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, such as, the title of the book you want to buy and its price. The text to sign, which may include the amount and date, is displayed.

Check that the header text is *Read* and that the digital signature icon 🔒⬤ is displayed.

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.

10. Enter text

You can enter text (for example, when creating messages) using traditional or predictive text input. When you enter text, text input indicators are displayed. 🔲 indicates traditional text input, and 🔲 indicates predictive text input. Predictive text automatically suggests possible words when you begin entering letters.

- [Abc] or [ABC] indicates the character case. To change the character case, press the shift key (the arrow key between the function key and the Sym key).

- **1 # *** indicates number mode. To switch between letter and number mode, press the Function key. To enter more than one number, lock the number mode by pressing the Function key twice.

- To insert symbols, press the Sym key.

- To set the language while entering text, select **Options** > *Writing language.*

For a complete list of instructions on entering text, select **Options** > *More > Writing instructions.*

■ Predictive text input

To activate predictive text input, select **Options** > *More* > *Prediction settings* > *Prediction* > *On.*

To activate or deactivate prediction while entering text, press and hold down the Ctrl key and press the space bar.

To select the prediction input type, select **Options** > *More* > *Prediction settings* > *Prediction* or *Word completion* and select On or Off.

■ Choose a writing language

When you compose a message, you can select the language that you wish to use to enter text in screens. This selection is separate from your selection of the phone's display language and can only be made from a message composition screen. Once you have selected a writing language, it is also used for creating or editing contacts and other text input screens.

Select a writing language

To select a writing language, select *Menu* > *Messaging* > *Create message* > *Options* > *Writing language* and the language you want to use.

Select an input method for Chinese

Each writing language has one or more input methods available. An input method lets you enter text or characters in a convenient way.

To select an input method, first select the desired *Writing language*. Then, from the *Create message* screen, select *Options* > *Input mode* and one of the following options:

Stroke — Enter Chinese characters with the Stroke method (only available when Chinese is selected as the writing language).

Pinyin — Enter Chinese characters with the Pinyin method (only available when Chinese is selected as the writing language)

abc — Write a text message in lowercase mode.

11. Messaging

Your device has a messaging key, see "Keys and parts", p. 16 and 17. You can quickly create a new message by pressing the Messaging key.

■ Conversations

Received messages are stored in the *Conversations* folder.

Conversations or multiple messages sent and received between you and another contact are also saved in the Conversations folder. Text messages are organized

into easy to read conversations. This gives you the ability to easily view entire conversations with a single contact in a chat-like interface.

You can read, create, send, and save messages.

To send the message, select **Send**. The device saves the message in the Sent folder and sending starts.

When sending messages, your device may display the words *Message sent*. This indicates that the message has been sent by your device to the message center number programed into your device. For more details about messaging services, contact your service provider.

> **Note:** The message sent icon or text on your device screen does not indicate that the message is received at the intended destination.

Text and multimedia messages

You can create a message and optionally attach a file such as an image or audio clip. Your device automatically changes a text message to a multimedia message when a file is attached.

■ Text 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, such as Spanish, take up more space, which limits the number of characters that can be sent in a single message.

An indicator at the top of the display shows the total number of characters left and the number of messages needed for sending.

■ Multimedia messages

A multimedia message can contain text, images, and sound or video clips.

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

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.

For availability and subscription to the multimedia service (MMS), contact your service provider.

Send a text or multimedia message

1. Select **Menu** > *Messaging* > *Create message.*
2. Enter the message text.
3. To attach content to the message, select **Options** and the desired type of content.
4. To send the message, select **Send to** > *Contacts.* Scroll to the desired contact, and select **Send**.

The message type is indicated at the top of the display and changes automatically depending on the content of the message.

Service providers may charge differently depending on the message type. For more information, contact your service provider.

Read and reply to a message

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

A notification is displayed when you receive a message. To read the message, select *View*. If more than one message was received, to read a message, open the message from the Conversations folder.

To send a reply, select *Reply*.

■ SIM card messages

SIM card messages are text messages that are saved to your SIM card. You can copy or move those messages to the device memory, but not vice versa. Received messages are saved to the device memory.

To read SIM card messages, select **Menu** > *Messaging* > **Options** > *SIM Card messages*.

■ Voice mail

If you subscribe to voice mail (network service), you can access the service through a voice mail number supplied by your service provider. The number may appear in your contacts list during the activation process. If not, you need to save this number to your device. When you receive a voice message, a tone sounds, a notification is displayed, or both. If you receive more than one message, your device displays the number of messages received.

To call your voice mailbox, in the home screen, press and hold 1, or select **Menu** > *Messaging* > *Voice mail* > *Listen to voice mails*. To enter, find, or edit your voice mailbox number, select *Voice mailbox number*.

If supported by the network, ○○ indicates new voice messages. To call your voice mailbox number, select **Listen**.

■ Message settings

Select **Menu** > *Messaging* > *Message settings* and select from the following:

General settings — Save copies of sent messages in your device, overwrite old messages if the message memory becomes full, and set up other preferences related to messages.

Text — Define message centers, select the type of character support, and set up other preferences related to text messages.

Multimedia — Allow read reports, set up the appearance of multimedia messages, allow the reception of multimedia messages and advertisements, and set up other preferences related to multimedia.

Service messages — Activate service messages and set up preferences related to service messages.

12. Mall

Select **Menu** > *Mall*. The T-Mobile Mall website provides links to a variety of content such as ringtones, games, graphics, multimedia, and applications that may be purchased and downloaded to your device.

For information about billing or accessing this website, contact your service provider.

13. Apps

■ Alarm clock

The alarm clock uses the time format set for the clock. The alarm clock works even when the phone is switched off, if there is enough power in the battery.

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

To set a snooze time-out, select *Snooze time-out* and the length of time.

After modifying the alarm settings, select *Save*.

Alert tone and message

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

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you select **Snooze**, the device switches off, then switches on again after the snooze time is reached. 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.

■ Calculator

The calculator in your phone provides basic arithmetic and trigonometric functions; calculates the square, the square root, and the inverse of a number; and calculates loan amounts, payments, and interest rates.

Select **Menu** > *Apps.* > *Calculator*. Press **#** for a decimal point. Scroll to the desired operation or function.

■ Gallery

In Gallery, you can manage images, video clips, and music files. To view the Gallery contents, select **Menu** > *Apps.* > *Gallery*.

■ Games

You can manage applications and games. These files are stored in the phone memory or on an inserted memory card and may be arranged in folders.

Play a game

To play a game, select **Menu** > *Apps.* > *Games & Apps* and open the *Games folder*. Scroll to the desired game, and select **Open**.

To set sounds, lights, and vibration for the game, select **Menu** > *Apps.* > *Games & Apps* > **Options** > *Application settings*.

Launch an application

Your phone software includes some Java applications.

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

Application options

To view application options, select **Menu** > *Apps.* > *Games & Apps* > *Collection* > **Options**.

Update version — to check if a new version of the application is available for download from *web2go* (network service)

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

Application 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 trusted sources, such as applications that are Symbian Signed or have passed the Java Verified™ testing.

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 **Menu** > *Apps.* > *Games & Apps* > **Options** > *Downloads* > *App. downloads*; the list of available bookmarks is shown. See "Receive a bookmark", p. 42

For the availability of different services, pricing, and fees, 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.

■ Voice recorder

You can record speech, sound, or an active call. Use this feature to record notes or phone numbers to enter later. You can also create a ringtone.

Record sound

1. Select **Menu** > *Apps.* > *Voice recorder.*

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

3. To stop recording, select ■.

   The recording is saved in **Menu** > *Apps.* > *Recordings.*

4. To send a recording using Bluetooth or as a multimedia message, scroll to the recording and select **Options** > *Send.*

List of recordings

1. Select **Menu** > *Apps.* > *Voice recorder* > **Options** > *Audio list.*

   The list of folders in tones and graphics is shown.

2. Open *Audio* to see the list with recordings.

3. Select **Options** to view a list of options for files.

Define a storage folder

To use a folder (other than audio) as the default folder in tones and graphics., select **Menu** > *Apps.* > *Voice recorder* > **Options** > *Select memory* and a folder from the list.

■ To-do list

To save a note for a task that you have to do, select a priority level for the note, and mark it as done when you have completed it. Notes can be sorted by priority or by date.

To-do notes

1. Select **Menu** > *Apps.* > *To-do list*.

2. If no note is added, select **Add note**; otherwise, select **Options** > **Add**.

3. Write the note, select the priority, set the deadline and the alarm type for the note, and select **Save**.

4. To view a note, scroll to it, and select **View**.

■ Notes

You can write and send notes to compatible devices using text or multimedia messages.

1. Select **Menu** > *Apps.* > *Notes*.

2. To write a note if one is not added, select **Add note**; otherwise, select **Options** > *Make a note*.

3. Write the note, and select **Save**.

4. To view a note, scroll to it, and select **View**.

■ Countdown timer

1. Select **Menu** > *Apps.* > *Countd. timer*. Enter the alarm time in hours, minutes, and seconds, and select **OK**.

   You can write your own note text, which is displayed when the time expires.

2. To start the timer, select **Start**.

3. To change the countdown time, select *Change time*.

4. To stop the timer, select *Stop timer*.

If the alarm time is reached when the device is in the home screen, the device sounds a tone and flashes the note text (if it is set) or *Countdown completed*. To stop the alarm, press any key. If no key is pressed, the alarm automatically stops after 60 seconds. To stop the alarm and to delete the note text, select **Exit**. To restart the countdown timer, select **Restart**.

■ Stopwatch

Select **Menu** > *Apps.* > *Stopwatch* to measure time, take intermediate times, or take lap times using the stopwatch. During timing, the other functions of the device can be used. To set the stopwatch timing in the background, press the end key.

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

14. Games

■ Open a game

Your device software includes some games.

Select **Menu** > *Games*.

To set sounds, lights, and shakes for the game, select **Menu** > *Apps* > *Games and Apps* and **Options** > *Application settings*.

15. Communities

With the Communities application, you can enhance your social networking experience. The application may not be available in all regions. When signed in to social networking services, such as Facebook or Twitter, you can do the following:Only those features that are supported by the social networking service are available.Using social networking services requires network support. This may involve the transmission of large amounts of data and related data traffic costs. For information about data transmission charges, contact your service provider.The social networking services are third party services and not provided by Nokia. Check the privacy settings of the social networking service you are using as you may share information with a large group of people. The terms of use of the social networking service apply to sharing information on that service. Familiarize yourself with the terms of use and the privacy practices of that service.

Select **Menu** > *Communities*, and sign in to your relevant social networking services.

- See your friends" status updates
- Post your own status updates
- Instantly share pictures you take with the camera

16. Photos

■ Capture images and record video clips

Your device supports an image capture resolution of 640x480 pixels.

Camera mode

Use the still image function — Select **Menu** > *Photos* > *Camera.*

Zoom in or out — Scroll up or down.

Capture an image — Select *Capture.*

Set the preview mode and time — Select **Options** > *Settings* > *Photo preview time.*

Activate the self-timer— Select **Options** and the desired option.

Video mode

Use the video function — Select **Menu** > *Photos* > *Video camera.*

Start recording a video clip — Select **Record**.

Switch between camera and video mode — In camera or video mode, scroll left or right.

View your images and video clips

To view your images, select **Menu** > *Photos* > *My photos* .

To watch your video clips , select **Menu** > *Photos* > *My videos* .

17. My Account

Select **Menu** > *My Account* to access a self-help menu to manage your account and check your balance for minutes, messaging, and data. My account provides links to help with your device and service.

For information about billing or about accessing this website, contact your service provider.

18. Green tips

Here are tips on how you can contribute to protecting the environment.

■ Save energy

When you have fully charged the battery and disconnected the charger from the device, unplug the charger from the wall outlet.

You do not need to charge your battery so often if you do the following:

• Close and disable applications, services, and connections when not in use.

• Decrease the brightness of the screen.

• Disable unnecessary sounds, such as keypad and ringing tones.

■ Recycle

Most of the materials in a Nokia phone are recyclable. Check how to recycle your Nokia products at www.nokia.com/werecycle, or with a mobile device, www.nokia.mobi/werecycle.

Recycle packaging and user guides at your local recycling scheme.

■ Learn more

For more information on the environmental attributes of your device, see www.nokia.com/ecodeclaration.

19. Battery and charger information

■ Charging and discharging

Your device is powered by a rechargeable battery. The battery intended for use with this device is BL-5C. Nokia may make additional battery models available for this device. This device is intended for use when supplied with power from the following charger: AC-3U. The exact charger model number may vary depending on the type of plug for the country of use. The plug variant is identified by one of the following: E, EB, X, AR, U, A,C or UB.

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 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. 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.

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

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

Avoid extreme temperatures. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance is particularly limited in temperatures well below freezing.

Do not short-circuit. 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.

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

Leak. Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. In the event of a battery leak, prevent battery liquid contact with skin or eyes. If this happens, flush the affected areas immediately with water, or seek medical help.

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

Correct use. Use the battery only for its intended purpose. 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 centre 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 help ensure that you are getting an original Nokia battery, purchase it from a Nokia authorized service centre or dealer, and inspect the hologram label using the following steps:

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 Accessories 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.

Successful completion of the steps is not a total assurance of the authenticity of the battery. If cannot confirm authenticity or if you have any reason to believe that your

Nokia battery with the hologram on the label is not an authentic Nokia battery, you should refrain from using it, and take it to the nearest Nokia authorized service centre or dealer for assistance.

For additional information, refer to the warranty and reference leaflet included with your Nokia device.

Taking care of your device

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 high or cold temperatures. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics. When the device warms to its normal temperature from a cold 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. Only use a soft, clean, dry cloth to clean the surface of the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- 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.
- Backup all 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 accessory.

Recycle

The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies in the European Union. Do not dispose of these products as unsorted municipal waste. For more environmental information, see the product Eco-Declarations at www.nokia.com/environment.

Additional safety information

■ Small children

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

■ Operating environment

This device meets RF exposure guidelines in the normal use position at the ear or at least 1.5 centimeters (5/8 inch) away from the body. Any carry case, belt clip, or holder is used for body-worn operation should not contain metal and should position the device the above-stated distance from your body.To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions until the transmission is completed.

■ Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the function of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine whether they are adequately shielded from external RF energy. Switch off your device when regulations posted instruct you to do so. Hospitals or health care facilities may use equipment sensitive to external RF energy.

Implanted medical devices

Manufacturers of medical devices recommend a minimum separation of 15.3 centimeters (6 inches) 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.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Turn the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufactures directions for the implanted medical device.

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

Hearing aids

Some digital wireless devices may interfere with some hearing aids.

This device includes a setting for direct connection to telecoil-equipped hearing aids. When both the telecoil hearing aid (T switch) and the phone telecoil are activated, using the device with the aided ear will provide a direct connection for audio through your hearing aid. The quality of sound depends on the type of hearing aid used. You should test the device with the telecoil setting activated to determine whether your audio performance improves. Using the telecoil hearing-aid setting consumes additional battery power.

■ Vehicles

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

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate your warranty. 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 accessories. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

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 and may be illegal.

■ Potentially explosive environments

Switch off your device in any area with a potentially explosive atmosphere. Obey all posted instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions 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 areas where you would be advised to turn off your vehicle engine, below deck on boats, chemical transfer or storage facilities and 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: This device operates using radio signals, wireless networks, landline networks, and user-programmed functions. If your device supports voice calls over the internet (internet calls), activate both the internet calls and the cellular device. The device may attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. 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. Depending on your device, you may also need to complete the following:
   - Insert a SIM card if your device uses one.
   - Remove certain call restrictions you have activated in your device.
   - Change your profile from the offline or flight profile to an active profile.

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.

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 aid compatibility (HAC)

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 are 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.

■ Accessibility solutions

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. For more information, visit the Nokia website at www.nokiaaccessibility.com

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■ 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 0.86W/kg.

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

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.16W/kg and when properly worn on the body is 0.99W/kg.

Index