

Nokia Nxxx User guide

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For your 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 HOSPITALS Follow any restrictions. Switch the device off near medical equipment.



SWITCH OFF IN AIRCRAFT Follow any restrictions. Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELING Do not use the device at a refueling point. Do not use near fuel or chemicals.



SWITCH OFF NEAR BLASTING Follow any restrictions. Do not use the device where blasting is in progress.



USE SENSIBLY Use only in the normal position as explained in the product documentation.



QUALIFIED SERVICE Only qualified personnel may 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.



BACK-UP COPIES Remember to make back-up copies or keep a written record of all important information stored in your device.



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

Network services

Contact your service provider for additional instructions for the use of network services and information on what charges will apply. Some networks may have limitations that affect how you can use network services.

Your service provider may have requested that certain features be disabled or not activated in your device. Your device may also have a special configuration.

Shared memory

The following features in this device may share memory: bookmarks; image, audio, and video files; notes, sketch, and other files; contacts; e-mail messages; and

applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing.

Overview

Model number: Nokia Nxxx-1.

Hereinafter referred to as Nokia Nxxx.

Nokia Nxxx provides easy broadband access to the internet through a wireless LAN (WLAN)/Wi-Fi or Bluetooth connection with compatible mobile phones. Its wide screen and portable size make it optimal for enjoying the web and internet communications away from your laptop or desktop.

Your compatible WLAN access point must be compliant with the IEEE 802.11b or 802.11g standard.

Read this user guide carefully before using your device. Read also the quick start guide provided with the device and the user guide of your compatible phone, which provides important safety and maintenance information.

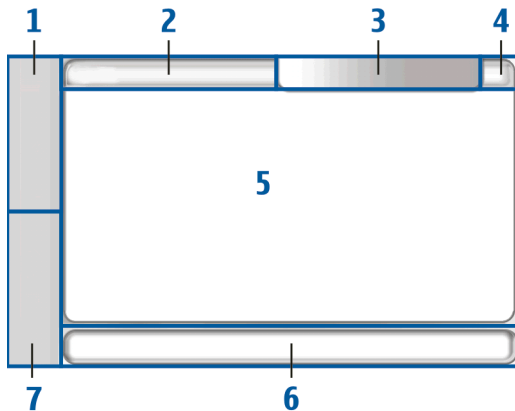
The availability of some applications, configurations, and settings may vary according to the software version or your country and sales region.

Nokia support on the web

Check www.nokia.com/support or your local Nokia web site for the latest version of the guide, additional information, downloads, and services related to your Nokia product.

Check also www.nokia.com/nxxx to explore the device online features.





Touch screen





The touch screen consists of the task navigator (1), the application title area (2), the status indicator area (3), the minimize and close buttons (4), the application area (5), the toolbar (6), and the application switcher (7).


Task navigator


The task navigator (1) includes icons that you can tap to open new applications and switch between running applications.


To select an option in a menu, tap it. Alternatively, scroll to the desired option in a menu using the  and  hardware keys and press  to open it. To close the menu, press , or tap another area of the screen.

The task navigator contains the following items by default. To change the items, tap  and select *Tools > Control panel > Navigation*. For more information, see the device help.

First item: web browser—Tap  to access internet functions such as *Open new browser window* and *Manage bookmarks*.

Second item: contacts—Tap  to access functions such as *View contacts*, *View inbox*, *New e-mail message*, *New Internet call*, *New chat*, and *Set presence*. When you receive new e-mail or chat messages, authorization requests and responses, or group chat invitations, the icon is highlighted and the menu is updated. The information of these events is displayed at the bottom of the menu.


Applications—Tap  for access to all installed applications. To change the structure of the menu, select *Tools > Control panel > Navigation*.

Application switcher—The application switcher (7) contains icons of currently open applications. The icons of the four most recently launched applications are shown on the application switcher. To see all running applications, tap . If several instances of an application are open (for example, multiple web browser windows), the group has one application icon.

To change to an application, tap the icon of the application in the application switcher. If you hold the stylus down on an icon, a tool tip is shown.


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







Application title area



The application title area (2) displays the name of the active application and the open file. To open the application menu, tap the title, or press .


Status indicator area





Tap the icons in the status indicator area to get more information or perform tasks related to a specific function. The status indicator area (3) may contain the following icons:


 indicates how much charge is left in the battery. The more bars the icon contains, the more charge is left. To view the estimated battery time left, tap the icon.


The internet connection icon indicates the status and type of the internet connection and allows you to open and close an internet connection.  indicates that a WLAN connection is active,  that a packet data connection (for example, GPRS) is active,  that a data call connection (for example, GSM data call) is active,  that there is no internet connection, or  that the device is in the offline mode where no connections are allowed.  indicates that a WLAN connection is active, but the device did not receive an IP address from the network. Your connection to the internet is limited.

 indicates the volume level and allows you to adjust the master volume and other sound settings. The more bars the icon contains, the higher the volume. When the sounds are muted, the icon is .

 indicates the level of display brightness and allows you to adjust the display settings.


The presence icon indicates your presence status and allows you to adjust the presence settings. The icon is visible only after you have created an account for internet call and instant messaging service.  indicates that you are online,  that you are away,  that you are invisible, or  that you are offline.

 indicates that the device is connected to a PC through a USB cable.

 indicates that you have set an alarm in the [Clock](#) application.


The status indicator area makes it possible to display multiple status icons simultaneously. If you have, for example, installed your own status indicators and want to display more than seven items at a time, they will be shown on several lines. When there are additional lines, they can be accessed by tapping the arrow icon.


To change the icons in the status indicator area, tap  and select [Tools](#) > [Control panel](#) > [Navigation](#) > [Status bar](#).


If you replace the contact icon in the task navigator with a different task navigator icon, you receive information about new chat messages, authorization requests and responses, or group chat invitations to .

Minimize and close buttons

Every application has the minimize and close buttons (4).

If you tap , the current application is hidden and the underlying application is shown. To bring the minimized application back to the top, tap its icon in the application switcher.

If you tap , the current application or application window closes. To close an application, you can also

select [Close](#) from the application menu, press  for a second, or tap the close button in the application switcher menu.

Application area

When you open an application from the task navigator, the application is displayed in the application area (5). If there are currently no open applications, the applets you selected in the [Home](#) menu are displayed in the application area.

Toolbar

The toolbar (6) contains the command buttons of the active application.

Home view



When you switch on the device, the home view is displayed. The home view contains various applets (small utilities) that you can open, close, and rearrange. You can also install new applets using the [Application manager](#).

The following applets are available in your device:

Clock—Displays the time in digital or analog format. The date format depends on the regional settings. To set the


time and date, tap the clock, and select [Clock](#) > [Tools](#) > [Date and time settings...](#)

Internet radio—Select an internet radio channel from the list. The content of the list comes from the [Media player](#) application, where you can add and remove radio channels.

RSS feed reader—Shows the number of unread news articles and lists the latest headlines when you subscribe to a news service. The subscription is made in the RSS feed reader application. To view an article, tap its headline. To refresh the article list from the web, tap . To stop the refresh, tap .

Speed contacts—Allows you to quickly get in contact with a selected group of people. To select the contacts to be displayed on the applet, select [Home](#) > [Applet settings](#) > [Speed contacts](#).



Web shortcut—To set the web page that opens when you tap the shortcut image, select [Home](#) > [Applet settings](#) > [Web shortcut](#). The functions of this feature may vary depending on the product package.

Internet search—Enables you to look for a requested piece of information. Enter the search string in the search field and tap .

To set the background image for the home view, select *Home > Tools > Set background image...* The background may display a solid color, an image, or both.

To personalize the look and feel of your device, select *Home > Tools > Themes...*

To add or remove applets from the application area, select *Home > Select applets...*, and mark or unmark the desired applet.

To arrange applets in the home view, select *Home > Edit layout*. In the layout mode you can rearrange the applets by dragging them. You can also resize some applets in the layout mode. To accept the layout, tap . To discard the changes you made, tap .

Device control

You can control the device in two ways: tap the screen with the stylus or press the hardware keys on the device.

Stylus




Using the stylus enables different functions depending on the context. The stylus can be used in the following ways:

- Single tap—To activate controls and other interactive interface components, tap them once with the stylus. A single tap may open a list, activate a button in a dialog

or a link on a web page, select a check box, and activate a text input method from a text field.

- Highlight and activate—To highlight an item, tap it once with the stylus. To activate or open the item, tap it again.
- Multiple selection—To select consecutive items, place the stylus on a non-highlighted item, and drag the stylus over the items. To add more items to the selection, place the stylus on a non-highlighted item and drag the stylus over the items. To remove a selection, tap a single item.
- Drag and drop—To drag an item, hold the stylus down on a highlighted item, drag the item to its new location, and release the stylus. To drag and drop multiple items, perform a multiple selection, and start the drag from the highlighted item.
- Tap and hold—To activate a context-sensitive menu, briefly hold the stylus down on an item.


Calibrate the touch screen


If the touch screen responds inaccurately, you may need to calibrate it. Select *Home > Tools > Screen calibration*. If the touch screen does not respond at all, you can also access this function by pressing  in the home view and using  and  to navigate in the menu. Follow the instructions on the screen.


A small number of missing, discolored, or bright dots may appear on the screen. This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.


Hardware keys


A keypress refers to the press and release of a key. Some actions depend on the length of the keypress.


 Power key—A short keypress opens the *Device mode* dialog. A long keypress turns the device on or off.


 Zoom keys—A short keypress changes the zoom level of the current view, and adjusts the volume in audio applications.

 Full-screen key—A short keypress switches between full screen and normal screen modes.

 Scroll key—A short keypress moves the focus from one item to another in the respective direction. A long keypress in the web browser scrolls the content of the active page or frame. Press the center of the scroll key to activate the highlighted item, and to accept confirmation notes.

 Escape key—A short keypress closes menus and dialogs and rejects confirmation notes. In the web browser this key acts as a back button. A long keypress closes the topmost dialog or application.


 Menu key—A short keypress opens and closes the application menu.

 Swap key—A short keypress activates the application switcher menu. A long keypress displays the home view of the device.

Text input methods

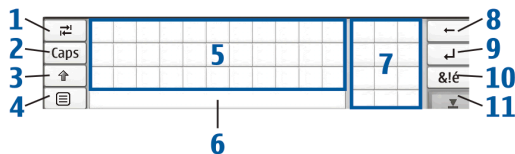
You can enter letters, numbers, and special characters in two ways. The keyboards allow you to tap characters with the stylus or your fingers. Handwriting recognition allows you to write characters directly onto the screen using the stylus as a pen.

To begin text input, tap any text field with the stylus or your fingers. The text input area appears on the touch screen and displays one of the keyboards or the handwriting recognition area, depending on the previously used text input method.

To switch between text input methods, tap  on the keyboards or handwriting recognition view, and select *Input method* and the desired option. Start writing.

Your device can complete words based on the built-in dictionary for the selected text input language. The device also learns new words from your input.

On-screen keyboard

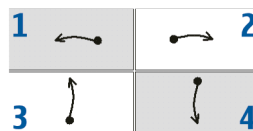


- Tabulator key (1)—Adds a tabulator space or moves the cursor to the next available text input field.
- [Caps] (2)—Locks the uppercase characters of the keyboard. In the handwriting recognition mode, switches between the normal and special character recognition modes.
- Shift key (3)—Allows you to enter an uppercase character in the on-screen keyboard mode when you write in lowercase. When you tap this key in the handwriting recognition mode, the last lowercase character switches to uppercase, and vice versa.
- Input menu key (4)—Opens the text input menu, which includes commands such as *Edit* > *Copy*, *Cut*, and *Paste*. You can also access the text input settings from the text input menu.
- On-screen keyboard (5)
- Space bar (6)—Inserts a space. This area also shows word completion.

- Numeric keyboard (7)—When you press the shift key, the most common special characters are displayed in this area.
- Backspace key (8)—Deletes the character to the left of the cursor.
- Enter key (9)—Moves the cursor to the next row or text input field. Additional functions are based on the current context (for example, in the web address field of the web browser, it acts as a go button).
- Special character key (10)—Opens a view, in which you can select from commonly used special characters, symbols, and language character accents.
- Close (11)—Closes the on-screen keyboard and handwriting recognition input area.

To use handwriting gestures on top of the on-screen keyboard, do the following:


Draw gesture 1 for a backspace or gesture 2 for a space. Draw gesture 3 on a letter to switch between uppercase and lowercase letters or gesture 4 to add a line break.




Full-screen finger keyboard

To begin text input with the finger keyboard, tap the text input field with your fingers. The finger keyboard opens in the full screen mode.

The finger keyboard displays buttons and functions similar to the other text input methods; however, not all of the special characters are available.

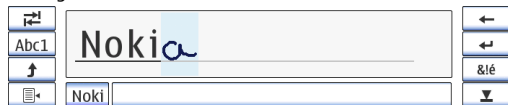
To close the finger keyboard, tap  in the upper right corner of the keyboard.

To change the finger keyboard settings, tap , and select [Tools > Control panel > Text input settings > Thumb board](#).

When using the finger keyboard, use only clean hands and regularly clean the touch screen by wiping the screen gently with a dry, soft cloth.

Handwriting recognition


You can use the stylus as a pen to write text. Write legible, upright characters on the text input area, and leave a small horizontal gap between each character. Do not use cursive writing.



To write common characters and numbers (default mode), write words as you normally write them.

To write special characters, tap [Abc1] in the left pane of the input area, and write the characters as you normally write them.

To insert new characters in and after words, draw them in the intended positions.


To teach the device your handwriting style, tap  on the on-screen keyboard, and select [Tools > Teach](#).

To use handwriting gestures on the handwriting recognition area, do the following:


Draw gesture 1 for a backspace or gesture 2 for a space.



Text input settings

To define the text input settings, tap , and select [Tools > Control panel > Text input settings](#). For more information, see the device help.

Volume control

To adjust the master volume, tap  to access the sound settings. To decrease or increase the volume, drag the


volume slider to the desired position. The master volume overrides all other volume settings in the device.




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

Device lock

To prevent unauthorized use of your device, change the lock code, and set the device to automatically lock after a certain time-out period.


To lock the device, briefly press , select *Lock device*, and tap **OK**. To unlock the device, enter the lock code, and tap **OK**.

To edit the device lock settings, tap , and select *Tools > Control panel > Device lock*.

To set the time-out period, tap *Autolock period*, and select the desired time.

Change the lock code

To change the lock code, do the following:

1. Tap , and select *Tools > Control panel > Device lock > Change lock code*.

2. Enter the current lock code (the default code is 12345), and tap **OK**.
3. Enter the new code, and tap **OK**.
4. Enter the new code again, and tap **OK**.




If you tap **Cancel** in any of these dialogs, the device lock code is not changed.

Keep the new code secret and in a safe place separate from your device.




Note: If you lose the device lock code, you must take the device to a Nokia authorized service facility. To unlock the device, the software must be reloaded, and all data you have saved in the device may be lost.

Lock touch screen and keys

To lock the touch screen and keys, briefly press , and select *Lock touch screen and keys > OK*. To unlock the touch screen and keys, press  and .

Memory management

To view current user memory consumption, tap , and select *Tools > Control panel > Memory*.

To view the amount of free and used memory, select the [Storage](#) page.

To use part of the memory card as additional virtual memory for running applications, open the [Virtual](#) page, and select [Extend virtual memory](#). Additional virtual memory is always tied to the memory card that you are currently using in the internal memory card slot.

Heavy usage of the extended virtual memory may affect the durability of the memory card.



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.

To free memory, delete data in [File manager](#) or other applications. To find and delete files of a certain size, use the [Search](#) application.

The applications display error messages when you try to move, copy, or save files, and when there is not enough memory on the device or the memory card.

Memory card

Your device has two memory card slots. There is an internal slot under the back cover and another slot under the

memory card cover on the front corner of the device. Both memory cards can be inserted and removed when the device is powered (hot swap feature).

The supported memory card formats are as follows:


- MultiMediaCard (MMC), (full size)
- Reduced Size MMC (with adapter)
- SD card (full size)
- miniSD card (with adapter)
- microSD card (with adapter)



This device does not support the write protection feature of SD cards.

Use only compatible MultiMediaCards (MMC), Reduced Size MultiMediaCards, SD cards, microSD cards, or miniSD 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.

The size limit is 2 GB. You can only use FAT 16/32 formatted compatible memory cards with this device.

To view and manage the contents of the memory card, tap , select [File manager](#), and tap the memory card in the folder list.


To rename a memory card, select *File manager* > *Memory card* > *Rename...*

To format a memory card, select *File manager* > *Memory card* > *Format...* All data is permanently deleted from the memory card.

Back up and restore data


You can back up data to a compatible memory card and restore it, if necessary. The backup appears as a folder on the memory card. You can also secure the backups with a password.

To back up data, do the following:

1. Tap , and select *Tools* > *Backup/Restore* > *New backup*.
2. In the *Backup selection* dialog, change the name of the backup; tap the name, and enter a new one. If both memory cards are installed, define the desired location of the backup using a choice list.
3. In the *Data selection* dialog, select whether you want to back up all data or only the specified data types.

To protect the backup with a password, tap *Protect with password*, enter twice the password you want to use, and tap **OK**.

To restore data, do the following:

1. Tap , and select *Tools* > *Backup/Restore*.
2. Select the backup on the memory card that you want to restore. Tap *Restore*.

If you have protected the backup with a password, the *Password needed* dialog is displayed. Enter the password, and tap **OK**.

To delete an unnecessary backup, select the backup and tap *Delete*.




Important: To ensure that the *E-mail* application works properly, always back up settings and e-mail messages. Restore its backup when no settings or e-mail messages are present in the application, for example, directly after updating the software on your device.

The following information, for example, is not backed up:

- theme settings, when you restore backups from previous product versions,
- Bluetooth connectivity settings,
- installed applications, and
- browser settings.



Help


Your Nokia Nxxx offers device help, which provides additional information on key features, applications, and dialogs of the device.


To access help from the task navigator, tap , and select [Help](#).

To access help from an application, tap the application title, and select the help command from the menu (usually under the [Tools](#) menu).

To browse help topics, tap the following:

 or  to see other help topics if you have recently viewed several help topics


 to see a list of recently viewed help topics

 to search for the text that you have entered in the search field.


To access help related to the contents of a dialog (context-sensitive help), tap the [\[?\]](#) button on the dialog.

Search for information

To search for items on your device, do the following:

1. Tap , and select [Search](#).

2. Enter a search word or multiple search words. The more search words you use, the more accurate the search results.
3. If needed, limit the search to e-mail messages, contacts, or bookmarks; or select all items on your device. To set additional search options, tap [Options](#).
4. To start the search, tap [OK](#). Results appear in the [Search results](#) window.


To stop the search at any time, tap  on the toolbar.

The search function in your device operates with Boolean AND logic, which means that all search words must match. If you get too few results, limit the number of search words and options. The search function is not case-sensitive.

Internet connections

Your device allows you to access the internet either through a wireless LAN (WLAN) or a mobile phone that supports Bluetooth wireless technology.

Connectivity settings

To edit and create internet connections and to adjust connection creation logic, tap , and select [Tools](#) > [Control panel](#) > [Connectivity](#).

On the [General](#) page, define the following settings:

[Connect automatically](#)—Select which connections are used automatically. This setting applies only to networks and connections you have saved in your device.

[Search interval](#)—Define how often connections are searched in the background.



Tip: Once you have saved one or more WLAN(s) in [Tools](#) > [Control panel](#) > [Connectivity](#) > [Connections](#), the device searches for those connections every 10 minutes by default, while there is no ongoing connection. To disable the search in the background in order to save battery power, set the search interval value to [Never](#).

On the [Idle times](#) page, select the time after which the internet connection ends automatically if the connection is not used. Use [Packet data idle time](#) for packet-switched data connections (such as GPRS), [Data call idle time](#) for circuit-switched data calls (such as GSM data call), and [WLAN idle time](#) for connections created through a WLAN access point.



Note: Time-based charges may apply to the internet connections. Check with your service provider, and adjust the idle times accordingly.




Note: The network may also have idle timers that may cause the internet connection to break, regardless of the idle timers of the device.

WLAN connection

When you access an application that requires an internet connection, the device uses the WLAN connections you have saved by default. If you have not saved any connections or they are unavailable, you are asked to select the connection (internet access point) to use. You can save the network after selecting it from the list.

However, if your WLAN network name is set as hidden, you must configure the settings manually.

To define WLAN connections manually, tap , and select *Tools > Control panel > Connectivity > Connections > New*. The welcome page of the internet setup wizard is displayed. Tap **Next** to proceed to the *Connection setup: Name and type* dialog.

1. Define the following settings:


Connection name—Enter a descriptive name for the connection.


Connection type—Select *WLAN*


2. Tap **Next**. The device asks whether you want to scan for available WLAN networks. Tap **Yes** to start the scan, or **No** to skip it.

If you select **Yes**, all available WLAN networks are shown after the scan with information about each WLAN connection:

• Security level of WLAN connection:


 —No security (for example, a public access point in an airport)

 —Medium security (wired equivalent privacy WEP authentication)

 —High security (Wi-Fi protected access WPA authentication, including WPA1 and WPA2)

The security level of the network affects the settings that are shown when you tap **Next**.

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.

- Name of the WLAN network
- WLAN signal strength
-  if the WLAN network is already defined for an internet connection setup that you have saved in the device

Select the desired connection and tap **Next**.

If you select **No**, the following settings are shown:

Network name (SSID)—Enter the name of the WLAN network. If you are the administrator of the network, ensure that the name of the network is unique. When you connect to the internet over WLAN, the connection is based on this information. If the field is dimmed and cannot be edited, the scanned SSID contains characters entered in an unknown character set, and not standard character sets (UTF-8) as the device expects.

Network is hidden—You must select this option if the name of your WLAN is hidden. When this option is

selected, your device actively searches for the hidden WLAN when you establish an internet connection.

Network mode—Select the *Infrastructure* or *Ad hoc* mode. The infrastructure mode is used with the internet connections.

Security method—Select *None* (no security), *WEP* (medium security), *WPA pre-shared key* (high security), or *WPA with EAP* (high security).



Important: Always enable one of the available encryption methods to increase the security of your wireless LAN connection. Using encryption reduces the risk of unauthorized access to your data.

Fill in the security settings, if requested, and tap **Next**.

3. Tap **Finish** to save the settings. To define advanced settings, tap **Advanced**.



Tip: You may need to define advanced settings, for example, if your internet access point requires the use of proxies.

Some places, like France, have restrictions on the use of wireless LAN. Check with your local authorities for more information.

Features using wireless LAN, or allowing such features to run in the background while using other features, increase the demand on battery power and reduce the battery life.

Mobile phone connection

Before you can connect to the internet over a cellular network, you must do the following:

- Subscribe to the desired data service with your cellular service provider
- Acquire proper internet settings from your cellular service provider.



Tip: Your device includes a settings database (Mobile operator setup wizard) with predefined settings of some cellular service providers.



Note: All cellular operators and settings are not listed, and some settings may also be out of date.

- Pair a compatible mobile phone with your device. Your device needs an external modem (phone), which is connected to your device with Bluetooth wireless technology.

Bluetooth wireless technology

This device is compliant with Bluetooth Specification 2.0 supporting the following profiles: DUN (Dial-up Networking Profile), FTP (File Transfer Profile) client only, SAP (SIM Access Profile), HID (Human Interface Device Profile), SPP (Serial Port Profile), and OPP (Object Push Profile). To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.


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.


A Bluetooth connection does not require that the compatible phone and the Nokia Nxxx be in line of sight, but both devices should be within 10 meters (32 feet) of each other. Connections can be subject to interference from obstructions, such as walls or other electronic devices.

Do not create connections to devices using Bluetooth technology that you do not trust.

Select a phone

To select a phone to be used for internet connection, tap  and select [Tools](#) > [Control panel](#) > [Phone](#). Although only one device can be selected as a phone at a time, you can pair several devices with your Nokia Nxxx. To pair a phone with your Nokia Nxxx, do the following:

1. Activate a Bluetooth connection on your mobile phone.
2. Tap **New**. The [Select a device](#) dialog opens, and your device begins to search for compatible devices that support Bluetooth wireless technology.
3. Select the desired phone from the list of found devices, and tap **OK**. Your device generates a passcode.
4. In the [Pair with device](#) dialog, use the generated passcode or replace it with a passcode of your own. Define whether the paired device should be trusted (your phone can connect to the Nokia Nxxx without notification) or not after it is paired, select or unselect [Set as trusted device](#). Tap **OK**, and enter the same passcode on your compatible phone.


- After successful pairing, the mobile operator setup wizard is presented. Use it for saving your internet connection settings. If you have already saved the settings or plan to save them later from the *Control panel*, tap **Cancel**. You can access the wizard afterwards by tapping  and selecting *Tools > Control panel*. In the control panel, select *Control panel > Tools > Mobile operator setup wizard...*
- Tap **Finish** to save the settings.



Tip: Set your Nokia Nxxx as a trusted device from the Bluetooth connectivity menu of your phone. This way you allow your Nokia Nxxx to access your phone, and you do not have to confirm the connection every time you activate it. For more information, refer to the user guide of your phone.

If you change the Bluetooth connectivity name of your phone, it is not updated to your Nokia Nxxx automatically. To update the name, pair the Nokia Nxxx with your phone again.

Manually create connection

To define mobile phone connections manually, tap  and select *Tools > Control panel > Connectivity > Connections > New*. The welcome page of the internet setup wizard is

displayed. Tap **Next** to proceed to the *Connection setup: Name and type* dialog.

- In the *Connection setup: Name and type* dialog, define the following settings:
 - Connection name*—Enter a descriptive name for the connection.
 - Connection type*—Select the type of network service over which you want to access the internet. To use a packet-switched data service in a cellular network, such as GPRS (network service), select *Packet data*. To use a circuit-switched data service in a cellular network, such as HSCSD (high-speed circuit-switched data; network service), select *Data call*.
- You must select the network manually if you have not paired a compatible mobile phone with your device. Select the type of cellular network over which the internet connection takes place: *GSM/UMTS* or *CDMA*.
- In the connection setup dialog, define the following settings:
 - Access point name*—Enter the name of the internet access point. Obtain the name from your internet service provider. This setting is only shown if you selected packet-switched data connection (such as GPRS) and your phone uses a GSM cellular network.

Dial-up number—Enter the modem telephone number of the internet access point.

User name—Enter a user name, if required. The user name is usually provided by the internet service provider.

Password—Enter a password, if required. The password is usually provided by the internet service provider.


Prompt password at every login—Select this option if you want to enter your password every time you log on to an internet server, or if you do not want to save your password in the device.




Tip: It is common in GPRS packet data networks that the access point name is internet or it is left blank, the dial-up number is *99#, and the user name and password may be left blank. For CDMA packet data network settings, contact your service provider.

4. Tap **Finish** to save the settings. To define advanced settings, tap **Advanced**. For more information, see the device help.

Disable wireless connections


To disable WLAN and Bluetooth connections, briefly press , select **Offline mode**, and tap **OK**.

To enable connections, briefly press , select **Normal mode**, and tap **OK**.



Note: In the offline mode, you cannot use features that require a network or Bluetooth connection. To use the features, you must first set the device back to normal mode. If the device has been locked, enter the lock code.

Browse the web


To open the browser, tap , and select [Open new browser window](#) or a bookmark.


Before you can connect to the internet, you must define the proper internet connection settings. For detailed instructions, see "Internet connections", p. 19.






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

Open and browse web pages

To open a web page, tap the address field at the bottom of the screen, enter the address with the on-screen keyboard, and tap .



If you saved a bookmark of a web page that you want to visit, tap , and select the desired bookmark.



To reload the page, hold the stylus down briefly on  and select  [Reload](#). To stop loading the page, tap .

To browse and scroll a web page, drag a page in the desired direction with the stylus, use the scroll keys, or drag the scroll bars on the right side and bottom of the screen.

To browse recently visited pages, tap  or .

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed are stored in the cache. To empty the cache, select [Web > Tools > Clear > Cache](#).

To view a page in a larger or smaller size, press  or . To select a predefined zoom level from the application menu, select [Web > View > Zoom](#) and the desired zoom level.

To view the web page in full screen size, press . To return to normal view, press  again.


To view the web page in optimized size, select [Web > View > Optimized view](#). The web page is fit to the width of the screen; text and images are zoomed and scaled differently, if necessary.

To change the web browser settings, select [Web > Tools > Settings](#). For more information, see the device help.

To add a bookmark to the current web page, hold the stylus down on the web page for a second, and select [Add bookmark...](#) from the context-sensitive menu.

To save a link as a bookmark, hold the stylus down on the link for a second, and select [Add link to Bookmarks...](#)

Manage bookmarks

To manage the bookmarks you saved in the device, tap , and select [Manage bookmarks](#). In the bookmark manager, you can add, move, copy, rename, delete, and open bookmarks and folders.

The bookmark folders are shown on the left, and the bookmarks in the selected folder on the right. To open a folder and a bookmark contained in it, tap the folder, and tap the bookmark twice.

Your device may have some bookmarks or links preinstalled for or may allow access to sites provided by third parties not affiliated with Nokia. Nokia does not endorse or assume any liability for these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any internet site.


Web communication

To communicate over the web, you must have an active network connection and registered user accounts and passwords for internet call, instant messaging, and e-mail services with service providers outside Nokia.

You can have multiple accounts for internet call and instant messaging services. By default, your device supports the Jabber and Google Talk services. You can also create a new account for Jabber and Google Talk services if you do not have an existing one.

It is recommended to use wireless LAN connection for internet calls.

Accounts

To access the account setup wizard, tap , and select *Tools > Control panel > Accounts > New*.

To complete and save the account settings, define the following:

1. *Account setup: Welcome*—Tap **Next** to begin the account setup.
2. *Account setup: Service*—Select the desired service from the list, and tap **Next**.

3. *Account setup: Select*—Select Jabber or Google Talk service. You are asked to confirm whether you want to start using an existing Jabber or Google Talk account with this device, or create a new account. If you select to create a new Jabber or Google Talk account, you need an active internet connection, because you register the new account online.

If you selected to create a new Google Talk account, tap **Next** to open a web page where a new Gmail account can be created. After you have successfully created the new account, return to the wizard.

4. *Account setup: User name*, define the following user settings:

User name—Enter the user name for the account. If you are defining a Google Talk user name, enter the full Gmail user name (everything before @gmail.com).

Password—Enter a password for the account.

Verify password—Enter the password again. This option is only available if you selected to create a new Jabber account.

To define the advanced settings for the selected account, tap **Advanced**. All accounts do not

necessarily have advanced settings. For more information, see the device help.


To save the account settings, tap **Finish**.


To edit the settings of an account, set your presence status to **Off**, select the account, and tap **Edit**. To delete an account, select the account, and tap **Delete**.


Presence

Presence is a network service that allows you to share your status with those who have access to the service and request it.


When you create and register an account for internet call and instant messaging service, your presence status is connected to that account. Your presence status can be one of the following:


 **On**—You are displayed as "online" to all the contacts that have access to your presence information. You are able to send and receive communication


 **Away**—You are displayed as "away" to all the contacts that have access to your presence information. You are able to send and receive communication.

 **Invisible**—You are displayed as "offline" to all the contacts that have access to your presence information. However, you are still able to start communication with


your contacts. All services do not necessarily support this status.

 **Off**—You are disconnected you from the presence server and cannot receive communication.

To change your presence status, tap  on the status indicator area. Selecting a presence status sets the status to all your accounts at the same time.

To define your presence settings, tap , and select **Tools > Control panel > Presence**.

Contacts

To manage contact information and start communications with your contacts, tap , and select **View contacts**.

The main view of **Contacts** displays the contact information in two panes: the left pane lists available groups, and the content pane on the right shows the contacts of the selected group and their presence status.


To add a contact, select **Contacts > Contact > New contact...**

To group contacts, drag them into the desired groups. You can assign a contact to many groups, and a group can contain many contacts.


To create a new group of contacts, select [Contacts](#) > [Group](#) > [New group](#).

To search for a contact, tap  in the toolbar. Enter the search words, and tap .

Select a contact from the list, and tap it. In the [Contact](#) dialog, tap an available channel for communication:

 to give a call to the contact

 to chat with the contact


 to send an e-mail message to the contact

Before you can start to communicate with your contacts, you need to send an authorization request or response. An authorization request is normally sent automatically when you add a new contact. When a recipient receives an authorization request and accepts it, the sender sees the recipient's presence status and can start communication. When you remove a contact from your address book, the authorization is also removed.

Instant messaging

This application allows you to instantly communicate with people over the internet. To use this feature, you must have an active network connection, a registered instant messaging account with a service provider, and a presence status that allows sending and receiving messages. By


default, your device supports the Jabber and Google Talk services.


To access the [Instant messaging](#) application, tap , and select [New chat](#).

If you have not defined an account, you are requested to do so. Follow the instructions on the screen to complete and save the account settings.


To enter a chat room, select [Chat](#) > [Enter chat room....](#) In the [Enter chat room](#) dialog, enter the name of the chat room in the [Room name](#) field, or select the room from the list of previously used rooms. To join the chat room, tap **OK**.

If the chat room is protected by a password, the [Enter password](#) dialog is displayed. To join the protected chat, enter the correct password, and tap **OK**.

To write and send a chat message, tap the text field in the chat toolbar, enter the message, and tap .

To add smileys to your messages, tap  and select the desired smiley.

The most recent message is always displayed at the bottom of the list.


To end the chat, tap  in the upper right corner of the screen.

Internet call

Internet call is based on voice over internet protocol (VoIP) that allows you to make and receive calls over the internet. To use this feature, you must have an active network connection, a registered internet call account with a service provider, and a presence status that allows receiving calls (*On* or *Away*).








Warning: Emergency calls are not supported.

To access the *Internet call* application, tap , and select *New Internet call*.

If you have not defined an account, you are requested to do so. Follow the instructions on the screen to complete and save the account settings.

You can only have one internet call at a time. No group or conference calls are possible.


The *Incoming call* dialog is displayed when you receive an incoming internet call. To answer the call, tap . To reject the call, tap . To silence the call, tap . To block the call, tap , and select *Block caller*. All incoming call requests from that caller are rejected, and you receive no indication of them.

To adjust the volume of an internet call, drag the volume slider with the stylus. To mute a call, tap  below the volume slider. When the call is muted, you can listen to

what the other person is saying, but that person cannot hear your voice. To unmute the call, tap the icon again.



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

To end an internet net call, tap . When you end a call, a call summary is displayed.

All recent calls are registered in a log. The log remains in the device as long as the device is powered on. If the device is rebooted, the log is deleted.


Nokia Internet Call Invitation (Beta)


Nokia Nxxx also supports internet calls with video. See www.nokia.com/nxxx for more information about services supporting video calls.

With Nokia Internet Call Invitation (Beta) you can invite contacts to internet voice and video calls through chat or e-mail. This feature supports communication between a Nokia Nxxx device and a compatible PC or two Nokia Nxxx devices. You need to have an internet connection to set up and use this feature.

1. To set up Nokia Internet Call Invitation (Beta), tap , select *Nokia Instant Video/Voice Call - Send invitation*, and tap *OK*.

2. Enter a desired display name shown to your contacts and tap *OK*.

After a successful setup, you can invite contacts to internet voice or video calls through chat or e-mail by tapping  and selecting [Nokia Instant Video/Voice Call - Send invitation](#).

In second time use, you can call your invited contacts directly through the contacts list (after your contact has also set up the feature). Tap  and select [View contacts](#).

Web camera

You can use the web camera to send video stream in the call handling application. If video call has not been activated, the application shows video stream in idle view as a preview.

The web camera is located in the upper left corner of your device.

To launch the web camera, press the camera inwards in its slot and it pops out. You can rotate the camera forwards and backwards.

To define whether the call idle camera preview is launched when the camera is launched, in the internet call application, select [Tools](#) > [Settings](#) and select or unselect the [Start when camera opened](#): box.

In the internet call application, if a call is active and you launch the web camera, the video preview is displayed unless you have unselected the [Start when camera opened](#): box.

E-mail

To send and receive e-mail messages, you must have an active internet connection and a registered e-mail account with a service provider. For appropriate settings, contact the e-mail service provider.



Create an e-mail account

To create an e-mail account, do the following:

1. Tap , and select *View inbox*. The e-mail account setup wizard opens.

If you already saved settings for a remote e-mail account, select *E-mail* > *Accounts* > *New account...* to create a new e-mail account.

2. Select *E-mail account setup 1/4* and from the following settings:

Account name—Enter a descriptive name for your account.

Account type—Select the e-mail protocol that your e-mail service provider recommends. This setting can be selected only once and cannot be changed after you save the account settings or exit the wizard. Tap **Next**.

3. Select *E-mail account setup 2/4* and from the following settings:

Name—Enter your name. The name is shown in the sender field of the messages that you send.

User name—Enter your user name given to you by your e-mail service provider. The user name is needed when you log in to your mailbox.

Password—Enter your password. The password is needed when you log in to your mailbox. If you leave this field empty, you are prompted for a password when you try to connect to your mailbox on the e-mail server.

E-mail address—Enter the e-mail address given to you by your e-mail service provider. The address must contain the @ character. Replies to your messages are sent to this address. Tap **Next**.

4. Select *E-mail account setup 3/4* and from the following settings:

Incoming server—Enter the host name or IP address of the POP3 or IMAP4 server that receives your e-mail.

Outgoing server (SMTP)—Enter the host name or IP address of the server through which your e-mail is sent. Tap **Next**.

Simple mail transfer protocol (SMTP) servers are used when sending e-mail. To be able to send e-mail, you must define the SMTP host name or IP address, which you obtain from the service provider of the connection you use.

Use connection-specific SMTP servers—Select this option if you want to use connection specific SMTP servers for sending e-mail messages.



Tip: The SMTP host name or IP address may be different from the host name or IP address of the incoming server (POP3 or IMAP4). For example, when you access your internet service provider e-mail over a cellular network, you may need to utilize the SMTP server of the cellular network. Thus, you may need to configure as many mailboxes as you have internet access networks, each mailbox having a different SMTP host name or IP address.


SMTP servers:—Select this option and **Configure** if you want to configure connection specific servers. Tap **Next**.


5. Select **E-mail account setup 4/4** and tap **Advanced** to define optional e-mail settings, or tap **Finish** to complete the mailbox setup.

It is very common that you need to modify the advanced settings. For more information, see the device help.

Retrieve and read e-mail messages


E-mail messages sent to you are not automatically received by your device, but by your remote mailbox on the e-mail server. To read your e-mail messages, you must first connect to the mailbox and retrieve the messages.


To retrieve e-mail messages from a remote mailbox, select **E-mail > New Message > Send & receive**, or tap  in the toolbar. This option retrieves messages from all accounts set for the device.

If you want to receive messages only from a specific account, in the application main view, hold the stylus on the  for a second, and select the desired account.

If you have e-mail messages in the **Outbox** folder, these messages are sent simultaneously.

To retrieve the contents of a selected message, tap the message header. You can set the device to only download message headers. If the mailbox type is IMAP4, you can also download a message without attachments. To open a message, tap the header of the message twice.

To disconnect from a mailbox, tap the internet connection icon  on the status indicator area, and select **Disconnect**. The internet connection ends.




To open an unread message from the task navigator, tap , and select the desired message.



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

Create and send e-mail messages

To create a new e-mail message, do the following:

1. Tap , and select *New e-mail message*.
2. Write the recipient's e-mail address. Add a semicolon (;) or a comma (,) to separate multiple recipients. If the recipients are in *Contacts*, tap , and select the recipients from the list.
3. Fill in the subject, and write the message. To send the message, tap .

Define basic e-mail settings

To edit various e-mail options, select *E-mail* > *Tools* > *Settings...* and from the following:

Updating page

Update automatically—Define whether messages are retrieved automatically or not.

Setting the device to retrieve e-mail automatically may involve the transmission of large amounts of data through you service provider's network. Contact your service provider for information about data transmission charges.

Update when connected via—Define which connection type is used to update automatically.

Update interval—Define how often messages are updated. The default value is 15 minutes.

Play sound when message arrives—Define whether a sound is played when new message arrives.

Composing page

Default message format—Select the type of messages that you can write and send with your device. The options are *Formatted text (HTML)* and *Plain text*.

Include original in reply—Select this option to include the original message when replying to a message.

Request read receipt—Select this option to receive a notification after the recipient opens your message. You can only receive a notification if the recipient's e-mail application supports this feature.

Clean-up page

Clean-up Sent folder—Define here whether you want the sent folder to be emptied or not.

Remove messages older than—Define here the clean-up interval. The default value is 30 days.

Define advanced settings

Select *E-mail* > *Accounts* > *Manage...* Select the account you wish to edit, proceed to the last page, and tap

Advanced after you have finished defining your basic e-mail account settings. The *Advanced settings for* dialog allows you to set incoming, outgoing, and other options for your e-mail account.

Please contact your service provider for appropriate settings.

Incoming page

RetrieveMessages is only available if the mailbox type is IMAP4.

Leave messages on server—Select this option if you want to leave messages on the server after you retrieve them to your device. This option is only available if the mailbox type is POP3.

No. of messages to retrieve—Define the number of new message headers you want to display in the inbox folder. If you retrieve new headers and the total amount of headers in the inbox folder exceeds this limit, the older headers are removed. This option is only available if the mailbox type is IMAP4.

Password authentication—Select this option to encrypt the sending of passwords to an e-mail server. This option is only available if the mailbox type is POP3. This option is automatically set to *Normal* if the account type is IMAP4.

Security—Specify a security setting for the server connection for incoming e-mail messages. The options are none, TLS, and SSL.

Incoming e-mail port—Enter the port number of the incoming e-mail server. Normally you do not have to change the default value.

Outgoing page

SMTP authentication—Select the authentication method for the SMTP server. Some SMTP servers require that the user is authenticated before e-mail can be sent.

User name—Enter your user name for the SMTP server. By default, your device displays the user name you have entered for the incoming server in *E-mail account setup 2/4*.

Password—Enter your password for the SMTP server. By default, your device displays the password you have entered for the incoming server in *E-mail account setup 2/4*.

Security—Specify a security setting for the server connection for outgoing e-mail messages. The options are none, TLS, and SSL.

Outgoing e-mail port—Enter the port number of the outgoing e-mail server. Normally you do not have to change the default value.

Security page


Encrypt messages by default—Select this option if you want to encrypt the e-mail messages you create.


Digitally sign messages by default—Select this option if you want to sign digitally the e-mail messages. Using this option requires a certificate that authenticates your identity and verifies to the recipient that the message is from you.


Display security indication for:—Select the situations in which the security indication is displayed. The options are *All encrypted and digitally signed messages*, *All untrusted digital IDs*.


Inbox folder

The **Inbox** folder contains received messages. The headers of unread messages are shown in bold.


Tap  to send a new message.

Tap  to reply to a message.

Tap  to send a reply to the sender of a message and to the recipients in the CC field.



Tap  to forward a message.

Tap  to delete a message.

Tap  to send all unsent messages and receive all new messages.

To search for a message, select *E-mail* > *Tools* > *Search messages...*

Outbox folder

Messages waiting to be sent are saved temporarily in the **Outbox** folder. The status of each message is shown next to the message header. To send the selected message again, tap . To cancel the sending of the selected message, tap .

Sent folder

After a message is sent, it is moved to the **Sent** folder. To specify the cleaning up of the **Sent** folder, select *E-mail* > *Tools* > *Settings...* > *Clean-up*.

Define the following:

Clean-up Sent folder—Select this option to allow automatic deletion of sent messages.


Remove messages older than—Select how often the sent messages are deleted.

Drafts folder

In the **Drafts** folder, you can save unfinished messages or messages that you want to send later.

Media player

The *Media player* application makes it possible to experience media. You can listen to music and other audio files stored on your device or a compatible memory card (if inserted) and audio streams from the internet. You can also watch video clips stored on your device or memory card, or watch streaming videos from the internet.

Through the media player, you can also stream content from available Universal Plug and Play (UPnP) media servers. Tap , and select *Media player*.

Media sources

You can access and launch media clips by using the media player *Library*. The media player scans your device and your memory cards automatically (when inserted). The found media clips and the available UPnP media servers are displayed in the *Library* automatically.

Scanning the memory card takes some time, so content in the card may not be available immediately after inserting the card.

The media player library includes the following top categories by default:

- *Music*—Includes audio media stored locally. You can browse your audio clips by different categories, for example, by album or by artist.
- *Video*—Includes video media stored locally.
- *Internet radio*—Includes links to radio streams. UPnP media servers also appear on the list if they are available.

Internet radio

With *Internet radio* you can listen to internet radio channels or any other compatible audio streams. The internet radio supports MP3 file format, and ASX, M3U, PLS, RAM, RPM, WAX, and WPL playlists.

Internet radio does not necessarily support all features of a file format or all the variations of file formats.

There are two ways to add a radio channel to the list from the web browser, depending on the format of the stream.


1. In the web browser, search for the desired radio channel stream, hold the stylus down on the link for a second, and use the context sensitive menu.


Select the [Add link to media library...](#) menu item if it is on the menu. The radio channel is added to the list of radio channels in the media library.


If the [Add link to media library...](#) menu item is not provided, select Copy link location.

2. In [Media player](#), add [Tools > Add radio channel to library...](#)

Tap the web address field, and paste the link of the radio channel stream. Select to save the link to the stream as a radio channel, and tap **OK**.

To listen to a radio channel, select [Media player > Library > Internet radio](#) and the desired channel from the list, and tap .

To stop listening, tap .

To adjust the volume, tap , and drag the slider with the stylus. To close the volume control dialog, tap anywhere outside it.

UPnP media servers

Universal Plug and Play (UPnP) technology allows devices to connect seamlessly and simplifies the implementation of networks for data sharing, communications, and entertainment in the home environment.

UPnP media servers are available for most operating systems and many hardware platforms and enable you to store and share your media files (pictures, video, audio, and multimedia files).

Your Nokia Nxxx functions as a UPnP client and can auto-detect UPnP media servers as long as they are connected to the same local network as your device and are configured accordingly.

File formats

The media player application supports M3U and PLS playlist file formats. Some other playlists, such as ASX, WAX, WPL, and WVX are supported only partially.

The supported audio file formats are: AAC, AMR, AWB, M4A, MP2, MP3, RA, WAV, and WMA.

The supported network streamable audio formats are: AAC, AMR, AWB, M4A, MP2, MP3, RA, and WAV.

Streaming performance depends on the bandwidth availability.

The supported video file formats are:


Extension	Container	Video	Audio	Resolution Up To
*.AVI	Audio Video Interleave	MPEG4 (SP L2)	MP3	VGA (640x480)
*.AVI	Audio Video Interleave	H.263 (Profile 0, Level 10)	MP3	VGA (640x480)
*.3GP	3GPP	MPEG4 (SP L2)	AAC	QCIF (176x144)
*.3GP	3GPP	MPEG4 (SP L2)	AMR	QCIF (176x144)
*.3GP	3GPP	H.263 (Profile 0, Level 10)	AAC	QCIF (176x144)
*.3GP	3GPP	H.263 (Profile 0, Level 10)	AMR	QCIF (176x144)
*.MP4		MPEG4	AAC	CIF (352x288)
*.MPE *.MPEG *.MPG		MPEG1	MP2	CIF (352x288)
*.RM *.RV *.RMVB	RealMedia	RealVideo	RealAudio	QVGA (320x240)

Media player does not necessarily support all features of a file format or all the variations of file formats.


Other applications

RSS feed reader


You can receive and read RSS news feeds from service providers. The service provider may be a news agency, entertainment site, or an individual who writes an online diary or journal.

Tap , and select *RSS feed reader*. The news folders and feeds you have created are shown on the left. There may also be predefined folders and feeds.

To subscribe to a news feed, do the following:

1. In the web browser, search for a link labeled XML or RSS and tap the link. Alternatively, use the context-sensitive menu to copy the address of the link. Hold the stylus down on the link for a second, and select *Copy link location*.
2. In *RSS feed reader*, tap  on the application toolbar, and paste the address of the news feed to the *Add feed* dialog.

The RSS feed reader supports the following file formats: Rich Site Summary, RDF Site Summary, Really Simple Syndication (all are also known as RSS), and Atom.

To refresh all feeds or only the selected one, tap  on the application toolbar, and select the desired option. The articles of the selected feeds are updated, and the old articles are deleted if you have not saved them for later use.

To stop the refreshing, press , or tap . To set the refresh method of news articles, select *Refresh feeds*.

You can update the feeds automatically, update when connected to WLAN or any other network, and select the update interval. If the setting to update the feeds automatically is disabled, the feeds are not refreshed automatically.

Images

To view images stored on your device, compatible mobile phone, or memory card, tap , and select *Images*.

The image viewer supports the following file formats: BMP, GIF, ICO, JPE, JPEG, JPG, PNG, SVG Tiny, TIF, TIFF, and WBMP. The image viewer does not necessarily support all variations of a file format.

Tools

Application manager


With *Application manager*, you can install new applications and other extensions from the application catalogs (repositories) on the internet and from the inbox, web links, or the *File manager*. You can also view and update installed packages and uninstall them.

Tap , and select *Tools > Application manager*.




Important: Only install and use applications and other software from trusted sources.

Connection manager

To monitor and manage connections established with the device, tap , and select *Tools > Connection manager*.

Control panel

To perform configuration and customization tasks, tap , and select *Tools > Control panel*. Select from the following functions and settings:

About product—View information about your device and end-user licenses.

Accounts—Define account settings for internet call and instant messaging services.

Bluetooth—Change the Bluetooth connectivity name of your Nokia Nxxx device, and set its visibility.

Certificate manager—View and manage digital certificates on your device.

Connectivity—Define which internet connections are used automatically. Set idle times for all connection types. Create and edit internet access points.

Date and time—Select the home city, date, time, and enable or disable the daylight savings zone option.


Device lock—Turn on the automatic device lock, set the time-out period, and change the device lock code.

Display—Change the brightness of the display, set the automatic lock for touch screen and keys, switch the LED lights off or on, and define how soon the display brightness decreases to save power and how soon the display is turned off.

Hardware keyboard—Configure items related to an external hardware keyboard supporting Bluetooth wireless technology.

Language & region—Select your region and device language.

Memory—View the memory status of the device and the inserted memory card.

Navigation—Customize the content of the task navigator area, and modify the  menu.

Phone—Pair a phone with your device.

Presence—Select your presence status, and set the auto-away period.

Screen calibration—Calibrate the touch screen.

Sounds—Set the master volume, or mute all device sounds. Select the level of system alerts, key sounds, and touch screen sounds.

Text input settings—Teach the device your handwriting style, set default and alternative text input languages, set character recognition speed, and turn word completion on or off.

Themes—Customize the look and feel of your device.

To open a function or a group of settings, tap it once.

To restore original factory settings, select **Control panel** > **Tools** > **Restore original settings...** This function does not affect the content you have created, security codes, passwords, the device language, or game scores. However, it removes, for example, account user names defined for instant messaging and internet call.


To clear user data from the device, select **Control panel** > **Tools** > **Clear user data...** This function does not affect the applications you have installed.

To install connection settings from the mobile operator database, select **Control panel** > **Tools** > **Mobile operator setup wizard...**

File manager

In **File manager**, you can move, copy, rename, delete, and open files and folders available in the device, paired devices using Bluetooth technology and supporting file transfer, or memory cards inserted in them.

The **File manager** also displays the shared content of available UPnP media servers.


Tap , and select **File manager**. The main folders are shown on the left and the subfolders and files on the right.

Utilities and games


Calculator




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

To access the calculator, tap , and select [Utilities > Calculator](#).

Clock


To set the date and time, select an analog or digital clock, set alarms, and access language and regional settings, tap , and select [Utilities > Clock](#), or tap the date and time on the right of the screen.

Notes


To create and save text notes, and send them through e-mail, tap , and select [Utilities > Notes](#).

The notes application supports the following file formats: ascii (plain text with no formatting) and .note.html (formatted text). The application does not support the full .html file format.

PDF reader


To view documents in portable document format (PDF), tap , and select [Utilities > PDF reader](#).

Sketch

To draw simple images and send them through e-mail, tap , and select [Utilities > Sketch](#). All sketches are saved in .png format.

Games


Your device has a set of games.

To start a game, tap , and select [Games](#) and the desired game. In the game start-up screen, tap [Play](#).

For more information on how to use the tools, utilities, and games in your device, see the device help.

PC connectivity

You can connect your device to a compatible PC with the supplied Nokia Connectivity Cable DKE-2 (USB). Use the USB data cable to transfer files to a compatible memory card and to update the latest software on your device.

When the USB cable is connected, the memory card(s) of your Nokia Nxxx is listed as a mass storage device on your PC, and  is displayed on your device. To be able to transfer files from the PC to the device, you must have a compatible memory card installed in the device.

When the USB cable is connected, you cannot access the information on the memory card with your device. However, you can transfer files from your PC to the memory card, and view the contents of the memory card on your PC.




Important: Do not remove the USB cable in the middle of an operation when the device is being accessed. Removing the cable in the middle of an operation may damage the memory card as well as the device, and data stored may be corrupted. When you are finished with file transfer, do not just pull the USB cable from the PC, but follow the proper procedures to disconnect your device from the PC. For more information, see the user guide of your PC.

Software update

To be able to update the software on your device, you must first install the Nokia Internet Tablet Software Update Wizard on your compatible PC. You must also have the USB cable and a fully charged battery for your device.

For more information on the software update, check www.nokia.com/nxxx.



Tip: To check the version number of the current software on your device, tap , and select [Tools](#) > [Control panel](#) > [About product](#).

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 operating and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery.

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

If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display.

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

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

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

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

Do not dismantle 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.

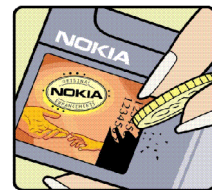
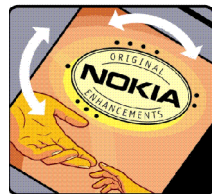
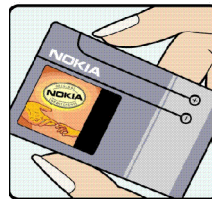
Nokia battery authentication guidelines

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

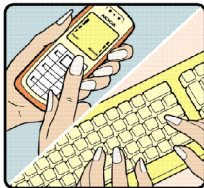
Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic, original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for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

Authenticate hologram

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



- 4 Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.



What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

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

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The 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 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

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 or when positioned at least 1.0 centimeters (3/8 inches) 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.

Open source software notice

This product includes certain software originating from third parties that is subject to 1. the GNU Library/Lesser General Public License (LGPL), 2. the GNU General Public License (GPL), and 3. different and/or additional copyright licenses, disclaimers, acknowledgements, and notices. The LGPL, GPL and said certain other licenses are available at www.nokia.com/support/xxx. You may obtain a complete corresponding machine-readable copy of the source code of such software under the LGPL and the GPL at www.nokia.com/support/xxx. Alternatively, Nokia offers to provide such source code to you on CD-ROM for a charge covering the cost of performing such distribution, such as the cost of media, shipping, and handling, upon written request to Nokia at:

Source Code Requests
Multimedia
Nokia Corporation
P.O.Box 407
FI-00045 Nokia Group
FINLAND

This offer is valid for a period of three (3) years from the date of the distribution of this product by Nokia. Please

refer to the exact terms of the LGPL and the GPL regarding your rights under said licenses.

This software is based in part on the work of the Independent JPEG Group.

The Graphics Interchange Format® is the Copyright property of CompuServe Incorporated. GIFSM is a Service Mark property of CompuServe Incorporated.

This product includes software developed by:

- Computing Services at Carnegie Mellon University (<http://www.cmu.edu/computing/>)
- Tommi Komulainen <Tommi.Komulainen@iki.fi>
- The Australian National University
- The OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)
- Gregory M. Christy
- Pedro Roque Marques
- Eric Rosenquist, Strata Software Limited
- The XFree86 Project, Inc (<http://www.xfree86.org/>) and its contributors
- The FreeType Team

Nokia One-Year Limited Warranty

Nokia Inc. ("Nokia") warrants that this cellular phone ("Product") is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year beginning on the date of the purchase of the Product. This one year period is extended by each whole day that the Product is out of your possession for repair under this warranty.
2. The limited warranty extends only to the original purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end-user.
3. The limited warranty extends only to Consumers who purchase the Product in the United States of America.
4. During the limited warranty period, Nokia will repair, or replace, at Nokia's sole option, any defective parts, or any parts that will not properly operate for their intended use with new or refurbished replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. Nokia will also pay for the labor charges incurred by Nokia in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Nokia's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Nokia shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.
5. Upon request from Nokia, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated itemized receipt.
6. The Consumer shall bear the cost of shipping the Product to Nokia. Nokia shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.
7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
 - a) The Product has been subjected to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair,

- misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Nokia, including damage caused by shipping.
- b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, damage caused by computer or internet viruses, bugs, worms, Trojan Horses, cancelbots or damage caused by the connection to other products not recommended for interconnection by Nokia.
 - c) Nokia was not advised in writing by the Consumer of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.
 - d) The Product serial number plate or the enhancement data code has been removed, defaced or altered.
 - e) The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna, or viruses or other software problems introduced into the Product.
8. Nokia does not warrant uninterrupted or error-free operation of the Product. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:
- a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.
 - b) If "a" is not convenient because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to Nokia. See www.nokiausa.com/support for the address of the repair center nearest you.
 - c) The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related to removing the Product from an installation are not covered under this limited warranty.
 - d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer will be responsible for any expenses related to reinstallation of the Product.
 - e) Nokia will repair the Product under the limited warranty within 30 days after receipt of the Product. If Nokia cannot perform repairs covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage. In some states the Consumer may have the right to a loaner if the repair of the Product takes more than ten (10) days.

Please contact the Customer Service Center at Nokia at the telephone number listed at the end of this warranty if you need a loaner and the repair of the Product has taken or is estimated to take more than ten (10) days.

- f) If the Product is returned during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.
9. You (the Consumer) understand that the product may consist of refurbished equipment that contains used components, some of which have been reprocessed. The used components comply with Product performance and reliability specifications.
10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT
- BE LIABLE FOR SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF DATA, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.
11. Some states do not allow limitation of how long an implied warranty lasts, so the one year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.

12. Nokia neither assumes nor authorizes any authorized service center or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.
13. This is the entire warranty between Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.
14. This limited warranty allocates the risk of failure of the Product between the Consumer and Nokia. The allocation is recognized by the Consumer and is reflected in the purchase price.
15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following purchase of the Product.
16. Questions concerning this limited warranty may be directed to:
Nokia Inc.
Telephone: 1-888-NOKIA-2U (1-888-665-4228)
Facsimile: (813) 249-9619
TTY/TDD Users Only: 1-800-24-NOKIA (1-800-246-6542)
Website: www.nokiausa.com/support