

Nokia N810 Internet Tablet – WiMAX Edition User Guide

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Issue 1 EN

Contents

Safety	6	Memory management.....	15
Your device	8	Memory cards.....	16
Touch screen.....	8	Back up and restore data.....	17
Task navigator.....	8	Software updates.....	18
Application title area.....	9	Help.....	18
Status indicator area.....	9	Search for information.....	19
Minimize and close buttons.....	10	Internet connections	20
Application area.....	11	WiMAX connection.....	20
Toolbar.....	11	Connectivity settings.....	20
Home view.....	11	WLAN connection.....	21
Device control.....	11	Mobile phone connection.....	22
Text input methods.....	12	Bluetooth wireless technology.....	23
Integrated keyboard.....	12	Select a phone.....	23
Full-screen finger keyboard.....	13	Manually create connection.....	24
On-screen keyboard.....	13	Disable wireless connections.....	25
Handwriting recognition.....	14	Browse the web	26
Text input settings.....	14	Open and browse web pages.....	26
Volume control.....	14	Manage bookmarks.....	27
Device lock.....	15		
Change lock code.....	15		
Lock touch screen and keys.....	15		

Internet communication 28

Accounts	28
Presence	29
Contacts.....	30
Instant messaging.....	30
Internet call.....	31
E-mail	32
Create an e-mail account	32
Retrieve and read e-mail messages.....	33
Create and send e-mail messages	34
Define e-mail settings.....	34
Updating page	34
Composing page.....	35
Modify e-mail account	35
Account page.....	35
User info page.....	35
Incoming page.....	35
Outgoing page.....	35
Inbox folder	36
Outbox folder.....	36
Sent folder	36
Drafts folder	36

Media applications37

Media player.....	37
Media sources	37
Internet radio.....	37
File formats	38
UPnP media servers.....	39
RSS feed reader	39
Images.....	40

Positioning.....41

GPS receiver.....	41
Tips on creating a GPS connection	42
Map application.....	42
Browse maps.....	42
Select and download maps.....	43
Find locations	43
Favorites.....	44
Points of interest	44
Extra services.....	44

Settings.....45

Application manager.....	45
Connection manager.....	45

Control panel	45
Restore original settings.....	46
Clear device data	46
Install connection settings.....	46
Utilities	47
Calculator	47
Clock.....	47
File manager	47
Notes.....	47
PDF reader	47
Sketch	47
PC connectivity	48
Battery and charger information	49
Nokia battery authentication guidelines.....	50
Care and maintenance	51
Additional safety information	52
Open source software notice.....	53

Safety

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



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



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



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



SWITCH OFF IN RESTRICTED AREAS Follow any restrictions. Switch the device off in aircraft, near medical equipment, fuel, chemicals, or blasting areas.



QUALIFIED SERVICE Only qualified personnel may 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.

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.

For more information, see "Memory management", p. 15.

Your device

Your Nokia internet tablet provides easy access to the internet through a wireless network connection (WiMAX and 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 WiMAX access point must be compliant with the IEEE 802.16e / 2.5Ghz standard.

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

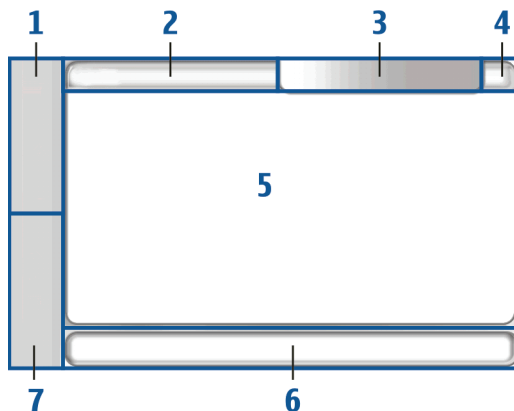
Read this user guide carefully before using your device. Read also the get started guide provided with the device and the user guide of your compatible phone, which provides important safety and maintenance information.

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

Task navigator

The task navigator (1) includes icons that you can tap to


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).


open new applications and switch between running applications.


To select an option in a menu, tap it. To close the menu, tap another area of the screen.

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

First item: Web browser—Tap  to access internet functions such as new browser windows and bookmarks.

Second item: Contacts—Tap  to view your contacts, access your e-mail, make internet calls, and send chat messages.

Third item: Application menu—Tap  for access to all installed applications. To change the structure of the menu, select **Settings > Control panel**. In **Control panel**, select **Panels**.


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

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

When you receive new e-mail or chat messages, authorization requests and responses, or group chat invitations, the icons on the application switcher blink to indicate these events.


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 , or press the menu key.

Status indicator area

Tap the icons in the status indicator area to get more information or perform tasks related to a specific function.

To change the icons in the status indicator area, tap  and select **Settings > Control panel**. In **Control panel**, select **Panels > Status bar**.

The status indicator area (3) may contain the following icons:








—you have set an alarm.





—your device is connected to another device through a USB cable.







The presence icon—your presence status. To change the presence settings, tap the icon. It is visible only after you have created an account for internet call and instant messaging services. The icons are the following:



-  you are online
-  you are away
-  your status is not shown to others
-  you are offline


—the level of display brightness. To adjust the display settings, tap the icon.



—the volume level. The more bars there are, the higher the volume. To adjust the master volume and other sound settings, tap the icon. When the sounds are muted,  is displayed.

The internet connection icon—the status and type of the internet connection. To open and close an internet connection, and to change connectivity settings, tap the icon. The icons are the following:




-  or  active WiMAX connection, depending on your WiMAX service provider
-  active WLAN connection
-  active ad hoc WLAN connection
-  active packet data connection through an external device (for example, GPRS)
-  active a data call connection through an external device (for example, GSM data call)


-  no internet connection is available
-  the device is in the offline mode where no connections are allowed

—battery charge level. The more bars there are, the higher the charge level. To view the estimated battery time, tap the icon.

—a Bluetooth connection to an external device is active, and  that the Bluetooth feature is on, but there is no active connection at the moment.


The GPS icon—indicates the use of GPS location data. To configure GPS location settings, tap the icon. The icon is visible only when the internal GPS receiver is on. The icons are the following:

-  satellite signals found and your location is known
-  satellite signals not found and your location is unknown
-  satellite signals are being searched for


—there are new software updates or additional applications available for the device.

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 the escape key 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 device home view is displayed.


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 offers you quick and easy access to such product features as clock, internet radio, internet search, RSS feed reader, 1-touch contacts, web shortcut, tutorial and promotion applets.


For more information on the available applets, see the device help.


To show available applets on the home view, select  > **Select applets...** and the desired applets from the list.

To rearrange the applets in the home view, drag them with the stylus to the desired new positions. You can also resize some applets by dragging from the handle on the applet.

To access context-sensitive menu for an applet, hold the stylus down on the desired applet. Depending on the applet, you can define applet settings or close the applet using the context-sensitive menu commands.

To set the background image for the home view, select  > **Set background image...**

To modify the look and feel of your device, select  > **Set theme...**

To calibrate the touch screen, select  > **Calibrate screen**, and follow the instructions on the screen.

Device control

You can control the device in several different ways: tap the screen with the stylus or fingers; or press the scroll key and other hardware keys on the device. For more


information on touch screen and hardware key interaction, see the device help named after your product.

Text input methods

You can enter letters, numbers, and special characters in several different ways. The virtual 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.

You can also pair an external hardware keyboard with your internet tablet using Bluetooth technology; or use the integrated keyboard.

To enter text with an on-screen keyboard, full-screen finger keyboard, or handwriting recognition method, you must check that these features have been activated.

To define text input settings, tap  and select **Settings > Control panel**. In **Control panel**, select **Text input settings > On-screen**.

Once you have activated the text input methods, tap any text field. 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.

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.

Integrated keyboard

When the integrated keyboard is in use, the on-screen text input methods are disabled.

To enter text, press the keys on the keyboard. To put the caps lock on, press the shift key twice.

To enter numbers, additional characters and common symbols, press **[Fn]** and the desired character key. To lock the **[Fn]** key, press it twice.

To enter accented letters, hold down **[Chr]**, and press a letter key repeatedly until the desired accented character appears. To preview all special characters available, press **[Chr]** briefly.


The integrated keyboard allows you to use global keyboard shortcuts, as well as shortcuts for application specific tasks. For example, to copy selected content, press **[Ctrl]+[C]**; and to close the currently open application, press **[Ctrl]+[Q]**. For more shortcuts, see the device help for text input methods and integrated keyboard.

Full-screen finger keyboard

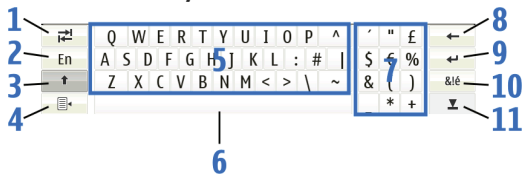
To begin text input with the finger keyboard, tap the text input field with your fingers. The finger keyboard opens in the full screen mode.


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.

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.

On-screen keyboard



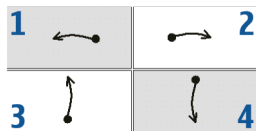
- 1 —Adds a tabulator space or moves the cursor to the next available text input field.
- 2 **[Language selection key]**—Switches between two languages in the keyboard and handwriting recognition

modes. If you have only one language defined, tapping the key opens text input settings.

- 3 —Tap to enter an uppercase character in the on-screen keyboard mode when you write in lowercase. To set caps lock on, tap and hold the key. When you tap this key in the handwriting recognition mode, the last lowercase character switches to uppercase, and vice versa.
- 4 —Opens the text input menu, which includes commands such as **Copy**, **Cut**, and **Paste**. You can also access the text input settings from the text input menu.
- 5 On-screen keyboard.
- 6 Space bar—Inserts a space. This area also shows word completion.
- 7 Numeric keyboard—When you press the shift key, the most common special characters are displayed in this area.
- 8 —Deletes the character to the left of the cursor.
- 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).
- 10 **&!@**—Opens a view, in which you can select from commonly used special characters, symbols, and language character accents.
- 11 —Closes the on-screen keyboard and handwriting recognition input area.

You can draw the following handwriting gestures on top of the on-screen keyboard:

- 1 for a backspace
- 2 for a space
- 3 to switch a letter between uppercase and lowercase
- 4 to add a line break




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.

You can draw the following handwriting gestures on the handwriting recognition area:


- 1 for a backspace
- 2 for a space



Text input settings

To define the text input settings, tap , and select Settings > Control panel. In Control panel, select Text input settings. For more information, see the device help.

Volume control

To adjust the master volume of your device, tap  on the status indicator area. To set the master volume, drag the volume slider with the stylus, or tap [+] or [-]. The master volume overrides all other volume settings in the device.




Warning: 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 the power key, select **Lock device** > **OK**. If you have not set the lock code, you are asked to do so. To unlock the device, enter the lock code, and select **OK**.

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

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

Change lock code

To change the lock code, do the following:

1. Tap , and select **Settings** > **Control panel**.
2. In **Control panel**, select **Device lock** > **Change lock code**.
3. Enter the current lock code, and select **OK**. The default code is 12345.
4. Enter the new code, and select **OK**.

5. Enter the new code again, and select **OK**.

If you select **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

The touch screen and key lock prevents accidental operation of the device when it is switched on. When the touch screen and keys are locked, the device plays no key tones and accepts no keypresses except for unlocking the touch screen and keys.


To lock the touch screen and keys, push  to the left. To unlock the touch screen and keys, push  to the left again.

Memory management

To view current storage memory consumption, tap , and select **Settings** > **Control panel**. In **Control panel**,

select **Memory > Storage** to display storage memory information of the device and memory cards. To view more detailed information about the storage memory consumption, select **Details**.

To use a memory card as additional virtual memory for running applications, do the following:

1. Tap , and select **Settings > Control panel**.
2. In **Control panel**, select **Memory**.
3. In **Memory**, select **Virtual > Extend virtual memory**, and the desired size for the additional memory.

Additional virtual memory is always tied to the internal memory card of your device.

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

To free memory, delete data in the file manager or other applications. To find and delete files of a certain size, use the search application.

Memory cards

Your device has an external memory card slot under the desk stand on the front right corner of the device. Your device also includes a non-removable internal memory card. You can view the content of the internal memory card in **Utilities > File manager**.

The supported memory card formats are as follows:

- miniSD card
- microSD card (with an adapter)



You can insert and remove a memory card when the internet tablet is switched on (hot swap feature), if the memory card is not being used by an application.




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.


Nokia internet tablets do not support the write protection feature of SD cards.

Use only compatible microSD cards (with an adapter), 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.

You can only use FAT 16/32 formatted compatible memory cards with Nokia internet tablets.

To view and manage the contents of a memory card, tap , select **Utilities > File manager** and the desired memory card from the folder list.


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

To format a memory card in file manager, select  > **Tools > Format memory card...** All data is permanently deleted from the memory card.

Back up and restore data

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

To back up data, do the following:

1. Tap , and select **Settings > Backup/Restore > New backup**.
2. In **New backup**, change the name of the backup and define the desired location of the backup.
3. In **Select data for backup**, select data types you want to back up.


To protect the backup with a password, select **Password protect > OK**, enter twice the password you want to use, and select **OK**.

Note that the following information, for example, is not backed up:

- contents of the non-removable internal memory card on your device
- theme settings, when you restore backups from previous product versions
- Bluetooth connectivity settings
- browser settings
- installed applications

However, you can make a backup of a list of applications you have installed on your device. During the restore process, your device tries to get the actual application files from the internet and reinstall them.

To restore data, do the following:


1. Tap , and select **Settings > Backup/Restore**. Select the desired backup and **Restore**.
2. In **Select data to restore**, select data types you want to restore.


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




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

Software updates

 blinking on the status indicator area indicates that new software updates or additional applications are available for the device. Install the offered software updates as they may contain important bug fixes and other updates.

To view and install the available software updates, tap , and select **Install updates in Application manager....** In Application manager, select the packages to install and **Update**. To install all the packages, select **Update all**.

When additional applications are available, for more information, tap , and select the link to access the OS 2008 user site.


You can also update the software on your device with the Nokia Internet Tablet Software Update Wizard on your compatible PC. You must also have a compatible USB cable and a fully charged battery for your device.





Important: To ensure that your WiMAX credentials are not lost when you update the software with the wizard, back up data before the update and restore it afterwards.

For more information on the software update, check www.nokiausa.com/support.






Tip: To check the version number of the current software on your device, tap , and select **Settings > Control panel**. In Control panel, select **About product**.


Help

The help function provides additional information on key features, applications, and dialogs of the device. To access help from the task navigator, tap , and select **My selection > Help**. To access help from an application, tap , and select the help command from the menu (usually under Tools).

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 **Utilities > Search**.
2. Enter a search word or multiple search words. The more search words you use, the more accurate the search results.
3. Select all items on your device, or, if needed, limit the search to e-mail messages, contacts, bookmarks, or shared media servers. To set additional search options, select **Options**.
4. To start the search, select **OK**. Results appear in **Search results**.

To stop the search at any time, tap  on the application toolbar. When you stop a search, you cannot continue it; you must start a new search.

The search function in your device operates with Boolean AND logic, which means that all search words must match. The more search words and options you set, the more accurate the search result. 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 network (WiMAX and WLAN/Wi-Fi) or a mobile phone that supports Bluetooth wireless technology.



WiMAX connection

When you access an application that requires an internet connection, the device uses the wireless network connections (WiMAX or WLAN/Wi-Fi) you have saved by default. The device tries a WiMAX connection first and, if not found, uses a WLAN connection.

If you have not saved any connections, or they are unavailable, you are asked to select the connection (internet access point) to use.


To set up a WiMAX connection:

1. Tap  in the status indicator area, and select **Select connection....** **Select connection** opens, and a list of all available connections is displayed.
2. Select the desired WiMAX network, and **Connect**. A web page of the WiMAX service provider opens.
3. To create and activate your account, follow the instructions on the page. When you have created and

activated your account, **WiMAX settings updated** is displayed. The device starts the connection, and  or  is displayed in the status indicator area, depending on your WiMAX service provider.

The WiMAX account creation and activation may vary depending on your WiMAX service provider. Follow the instructions given by your service provider.

Connectivity settings

To edit and create internet connections, and to adjust connection creation logic, tap , and select **Settings > Control panel**. In **Control panel**, select **Connectivity**.

On the **General** page, define the following:

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.

On the **Idle times** page, select the time after which the internet connection ends automatically if the connection is not used. Use **GPRS idle time** for packet-switched data connections (such as GPRS), **Data call idle time** for

circuit-switched data calls (such as GSM data calls), 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 wireless network 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 network name is set as hidden, you must configure the settings manually.

To set up a wireless network connection manually, tap , and select **Settings > Control panel**. In **Control panel**, select **Connectivity > Connections > New**. The connection setup wizard opens. Select **Next** to proceed.

The security level of the network affects the settings

1. In **Connection setup: Name and type**, define the following:





Connection name—Enter a descriptive name for the connection.

Connection type—Select **WLAN** (wireless local area network).

Select **Next** to proceed.

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

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

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

that are shown when you select **Next**.

Select the desired connection and **Next** to proceed.

If you select **No** to skip the scan for WLAN networks, the following settings are shown:

Network name (SSID)—Enter the name of the WLAN network. If you create an ad hoc 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 network is hidden. When this option is selected, your device actively searches for the hidden WLAN when you establish an internet connection.

Network mode—Select **Infrastructure** or **Ad hoc**. 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.

Select **Next** to proceed.

3. In **Connection setup: Complete**, select **Finish** to save the settings, or **Advanced** to define advanced settings.



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

Features using wireless LAN 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.
- 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.



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.

Bluetooth wireless technology

This device is compliant with Bluetooth Specification 2.0 + EDR (Enhanced Data Rate) 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.


Features using Bluetooth technology increase the demand on battery power and reduce the battery life.

A Bluetooth connection does not require that the compatible phone and your internet tablet be in line of sight, but both devices should be within 10 metres (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 **Settings > Control panel**. In **Control panel**, select **Phone**. Although only one device can be selected as a phone at a time, you can pair several devices with your internet tablet.

To pair a phone with your internet tablet, do the following:

1. Activate the Bluetooth connection on your mobile phone.
2. In **Control panel > Phone**, select **New**. Select a phone 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 **OK**. Your device generates a passcode.
4. In **Pair with device**, use the generated passcode or replace it with a passcode of your own. To define whether the paired device should be trusted (your phone can connect to the internet tablet without notification) or not after it is paired, select or deselect


Set as trusted device. Select OK, and enter the same passcode on your compatible phone.

5. 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, select Cancel.

To access the setup wizard afterwards, tap  and select **Settings > Control panel**. In **Control panel**, select  > **Tools > Cellular provider setup wizard...**

6. Select **Finish** to save the settings.

Manually create connection

To set up a cellular connection manually, tap  and select **Settings > Control panel**. In **Control panel**, select **Connectivity > Connections > New**. The connection setup wizard opens. Select **Next** to proceed.

1. In **Connection setup: Name and type**, define the following settings:

Connection name—Enter a descriptive name for the connection.

Connection type—Select the type of the network 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 **GPRS**.

To use a circuit-switched data service in a cellular network, such as HSCSD (high-speed circuit-switched data; network service), select **Data call**.

Select **Next** to proceed.

2. Your device detects the cellular network type of your phone automatically when you pair the phone with your device. However, if you have not paired a mobile phone with your device, in **Select cellular network type**, select the type of network over which the internet connection takes place, and select **Next** to proceed.
3. 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. In **Connection setup: Complete**, select **Finish** to save the settings, or **Advanced** to define advanced settings. For more information, see the device help.

Disable wireless connections


To disable WiMAX, WLAN, GPS, and Bluetooth connections, briefly press the power key, and select **Offline mode > OK**.

To enable connections, briefly press the power key, and select **Normal mode > OK**.



Note: In the offline mode, you cannot use features that require wireless 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 web 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 "Connectivity settings", p. 20.





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, and tap ; or select a bookmark; or activate a link on a web page.

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


To reload the page, tap and hold the stylus down on  until a context-sensitive menu appears, 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  > **Tools** > **Clear** > **Cache**.

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

To zoom a page, press the zoom keys or tap , and select **Zoom** and the desired zoom level.


Web pages may be wider than the browser window. To reduce the need for horizontal scrolling, tap , and select **Fit width to view**.

To change the web browser settings, select  > **Tools** > **Settings**.... For more information, see the device help.

To create a bookmark for the current web page, tap  on the toolbar, and select **Add bookmark**....

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


Internet communication

To communicate over the internet, 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.

It is recommended to use a wireless network connection (WiMAX and WLAN/Wi-Fi) for internet calls.

Accounts

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

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

- 1. Account setup: Welcome**—Select **Next** to begin the account setup.
- 2. Account setup: Service**—Select the desired service from the list and **Next**.
- 3. Account setup: Select**—You are asked to confirm whether you want to start using an existing Jabber, Google Talk, or SIP 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.

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

If you selected to create a new Jabber account, **Account setup: User name** opens. Define a user name, server, and password. Keep the **Use for PSTN calls** setting checked if you want to use the SIP account to call mobile and fixed PSTN numbers. To define advanced account settings, select **Advanced**. After you have successfully created the new account, return to the wizard.

Select **Next**.
- 4. Account setup: Details**—Enter a descriptive account name and nickname. This name is also used as the smart group name in contacts. To change the account avatar image, select **Browse**.

Entering information in this step is optional. Select **Next** to continue with the wizard.

5. In Account setup: User name, define the following:

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

Password—Enter the 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 advanced settings for the selected account, select **Advanced**. All accounts do not necessarily have advanced settings. For more information, see the device help.

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

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


Presence


Presence means your availability status for online communities. You can share your presence 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 services, your presence status is connected to that account. The presence icon in the status


indicator area of your device shows the joint presence status for all enabled accounts. Presence status is always the same for all accounts. However, some protocols do not support all presence statuses.



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 receive communications.


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

 **Invisible**—You are displayed as "offline" to all the contacts that have access to your presence information. However, you are still able to start communicating with your contacts. All services do not necessarily support this status.

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

To define your presence settings, tap  in the status indicator area; or tap , and select **Settings > Control panel**. In **Control panel**, select **Presence**.


Contacts

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

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

To add a contact, select  > **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  > **Group** > **New group....**


To search for a contact, tap  in the lower right corner of the screen. Enter the search words.

To be able to communicate with a contact, you must define account settings for the internet call and instant messaging services. For more information, see "Accounts", p. 28.


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 recipient's

presence status is displayed, and you can start communicating. When you remove a contact from your address book, the authorization is also removed.

To get in contact, select a contact from the list and, in the contact dialog, tap an available channel for communication:


 to call the contact,


 to chat with the contact, and

 to send an e-mail message to the contact.

Instant messaging

With Instant messaging, you can chat with people over the internet. 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.


To access Instant messaging, 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 setting.


To start instant messaging, select a contact from the list, and tap .

To enter a chat room, select  > **Chat** > **Enter chat room....** In **Enter chat room**, enter the name of


the chat room in **Room name**, or select the room from the list of previously used rooms. To join the chat room, select **OK**.

If the chat room is protected by a password, **Enter password** is displayed. To join the protected chat room, enter the correct password, and select **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.

To view other messages, scroll through the list. The most recent message is always displayed at the bottom of the list.


To end the chat, tap .


Internet call

Internet call is based on the 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.

To make an internet call, select a contact from the list, and tap . After you select a contact and start the internet call, a call request is sent to the call recipient. If the recipient accepts the internet call request, the call is activated and the call handling view opens.


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

To adjust the volume of an internet call, drag the volume slider with the stylus. To mute a call, tap  below the volume slider. 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.

Your internet tablet also supports internet calls with video. Depending on the product model, the procedure for switching from audio call to video call can vary:

Tap  to activate the integrated web camera.


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

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 the correct settings, contact your e-mail service provider.

Create an e-mail account

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

1. In the e-mail application, select  > Tools > Accounts... > New. The e-mail account setup wizard opens. Tap Next.

2. For account details, define the following:

Region—Select your country or region.

Service provider—Select your service provider from the list provided. If your service provider is not listed, select **Other**.

Account title—Enter a title for the account.

Tap Next.

3. For user details, define the following:

Name—Enter a name for the account. This name is shown in the sender field of sent messages.

User name and Password—Enter your user name and password. They are needed when you log in to your mailbox. If you leave the password 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. It must contain the @ character. Replies to your messages are sent to this address.

Tap Next.

4. If you chose **Other** as your service provider in step 2, you also need to define the following settings for incoming details:

Account type—Select the e-mail protocol that your e-mail service provider recommends. You cannot change this setting after you save the account settings or exit the wizard.

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



Tip: With POP3, the messages you retrieve are stored locally on your device and do not remain on the server. With IMAP4, the messages you retrieve remain on the server.

Secure connection—Define the security setting for incoming messages.

Use **secure authentication**—Select if you want the system to use secure authentication.

Tap **Next**.

5. If you chose **Other** as your service provider in step 2, you also need to define the following settings for outgoing details:

Simple mail transfer protocol (SMTP) servers are used when sending e-mail. 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.

Outgoing server (SMTP)—Enter the host name or IP address of the server that sends your e-mail.

Secure connection—Define the security setting for outgoing messages.

Use **secure authentication**—Select if you want the system to use secure authentication.

Use **connection-specific SMTP servers**:—Select if you want to use connection-specific SMTP servers for sending e-mail messages. To edit connection-specific SMTP server settings, tap **Edit**.





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 use 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.


6. To complete the e-mail account setup, tap **Finish**.

You may need to modify the advanced settings. For more information, see the device help.

Retrieve and read e-mail messages

Your device receives automatically e-mail messages sent to you.


To manually retrieve e-mail messages from a remote mailbox, select  > **Tools** > **Send & receive**, or tap  in the toolbar. The messages are retrieved for the currently viewed account.

If you want to receive messages only from a specific account or from all the accounts, in the application main view, hold the stylus on  until a context-sensitive menu appears, and select the desired account.

When retrieving e-mail, all messages in the outbox folder are sent regardless of the selected account.

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 **Compose e-mail message**.
2. Add the recipient's e-mail address. To separate multiple recipients, add a semicolon (;) or a comma (,). If the recipients are in Contacts, tap , and select the recipients from the list.

3. Enter the subject, and write the message.

4. To send the message, tap .

Define e-mail settings

To edit e-mail settings when you are not connected to the mailbox, select  > **Tools** > **Settings...** and from the following:

Updating page

Update automatically—Select if you want to retrieve messages automatically.

Retrieving e-mail messages automatically may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

Update when connected via—Define which connection type is used to retrieve e-mail automatically.

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


Message size limit (kB)—Define the size limit in kilobytes (KB) for retrieved e-mail messages.

Play sound when message arrives—Select if you want a tone to sound when a new message is received.

Composing page

Default message format—Select the default message format for your e-mail messages.

Modify e-mail account

Select  > Tools > Accounts.... The e-mail accounts page opens.

Select the account you wish to edit, and tap Edit. The account settings dialog opens. Select from the following pages: **Account**, **User info**, **Incoming**, and **Outgoing**.

Contact your service provider for the correct settings.

Account page

Account title—Enter a title for the account.

Retrieve—Select whether the device retrieves message headers only, or messages and attachments.

Retrieval limit—Select a limit for the number of e-mail messages to retrieve.

Leave messages on server—Check this box if you want the messages to remain on the server when you retrieve them.

User info page

Name—Enter your name.

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

E-mail address—Enter your e-mail address. The maximum length is 64 characters.

Signature—To edit your signature, tap Edit.

Incoming page

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

Secure connection—Define the security setting for incoming messages. Follow the instructions given by your service provider.

Port—Follow the instructions given by your service provider.

Use secure authentication—Select if you want the system to use secure authentication.

Outgoing page

Outgoing server (SMTP)—Enter the host name or IP address of the server that sends your e-mail.

Use secure authentication—Select if you want the system to use secure authentication.

User name and Password—When secure authentication is used, define a user name and password.


Secure connection—Define the security setting for the server connection for outgoing e-mail messages. Follow the instructions given by your service provider.




Port—Follow the instructions given by your service provider.

Use **connection-specific SMTP servers**:—Select if you want to use connection-specific SMTP servers for sending e-mail messages. To edit connection-specific SMTP server settings, tap **Edit**. You cannot edit mailbox settings when the connection to a mailbox is open.


Inbox folder


The Inbox folder contains received messages. The headers of unread messages are shown in bold. Tap the following icons:


 to compose a new message.


 to reply to a message. To send a reply to the sender of a message and to the other recipients, tap and hold the icon, and select . To forward the message, select .

 to delete a message.

 to hide or show folders.

 to sort the messages.

 to send all unsent messages and receive all new messages.

To search for a message, select  > 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.

Sent folder

After a message is sent, it is moved to the sent folder.


Drafts folder

The drafts folder contains your unfinished messages and messages that you have not yet sent.

Media applications

Media player

With **Media player**, 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 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 **My selection > Media player**. The application consists of two different views. To access and launch media clips, use **Library**. To play media, use **Now playing**.

Media sources

The media player scans your device and your memory cards automatically (when inserted). Scanning the memory card takes some time, so content in the card may not be available immediately after inserting the card.


The found media clips and UPnP media servers are automatically displayed in **Library** that 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 and your favorite radio stations, as well as an internet radio directory.
- 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 the MP3 and WMA file formats, and, M3U, PLS, RAM, and WPL playlists. Some other playlists, such as ASX, WAX, and WPL are supported only partially.

To add an internet radio channel to the list of radio channels, do the following:


1. In **Media player**, select  > **Clip** > **Add media bookmark....**


- In **Add media bookmark**, enter the URL address of the audio stream. If an audio stream is playing, the dialog provides its URL address.
- From the available types of media streams, select **Internet radio**, and select **OK** to save the channel.

The radio channel is added to **Media player > Library > Internet radio > Favorite radio channels**.

To listen to a radio channel, in **Library**, select **Internet radio** and the desired channel from the list, and tap .

To pause playback, tap . To stop listening, tap .

To adjust the volume, tap , and drag the slider with the stylus. To close the volume control dialog, tap  again.

You can also control the playback of radio channels using the internet radio applet on the home view of the device. To activate the applet on the home view, select  > **Select applets... > Internet radio**.

File formats

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

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

The supported network streamable audio formats are: AAC, AMR, M4A, MP2, MP3, RA, WAV, and WMA. Streaming performance depends on the bandwidth availability.

The supported video file formats are:

Extension	Video	Audio	Resolution Up To
*.AVI	MPEG4 (SP L2)	MP3	CIF (352x288)
*.AVI	H.263 (Profile 0, Level 10)	MP3	CIF (352x288)
*.3GP	MPEG4 (SP L2)	AAC	CIF (352x288)
*.3GP	MPEG4 (SP L2)	AMR	CIF (352x288)
*.3GP	H.263 (Profile 0, Level 10)	AAC	CIF (352x288)
*.3GP	H.263 (Profile 0, Level 10)	AMR	CIF (352x288)

Extension	Video	Audio	Resolution Up To
*.MP4	H.264 (Baseline profile, Level 1.2)	AAC	QVGA (320x240)
*.MPE *.MPEG *.MPG	MPEG1	MP2	CIF (352x288)
*.RM *.RV *.RMVB	RealVideo	RealAudio	QVGA (320x240)
*.ASF *.WMV	WMV9	WMA	QVGA (320x240)

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

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 internet tablet 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.


RSS feed reader

You can receive and read RSS 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 Internet > RSS feed reader. The folders and feeds you have created are shown on the left. There may also be predefined folders and feeds.

To subscribe to a feed, visit a service provider's web site with the web browser and search for a link labelled XML or RSS. Tap the link, and do the following:


1. In the web browser, look for an RSS icon in the toolbar. Tap the icon, and RSS feed reader opens.
2. In Add feed, select OK

Alternatively, if you copied the feed address, tap  on the application toolbar in the RSS feed reader, paste the address of the feed to Add feed and select OK.

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 , and select the desired option. When refreshing a feed, the RSS feed reader updates it to contain all content available on the server and deletes automatically content no longer available on the server.

To stop the refreshing, tap . To set the refresh method of news articles, select  > Tools > Refresh feeds.

To change the settings of the RSS feed reader,  > Tools > Settings....

Images

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

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

Positioning

The Global Positioning System (GPS) is a worldwide radio navigation system that includes 24 satellites and their ground stations that monitor the operation of the satellites.

A GPS terminal receives low-power radio signals from the satellites, and measures the travel time of the signals. From the travel time, the GPS receiver can calculate its location to the accuracy of metres.

The coordinates in the GPS are expressed in degrees and decimal degrees formats using the international WGS-84 coordinate system.

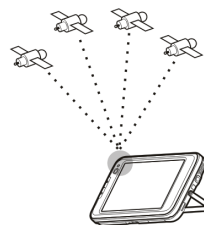
The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

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

GPS receiver

The procedure for using a GPS receiver with your internet tablet may vary according to the product model:

Your device has an internal GPS receiver. The GPS receiver is located in the upper left corner of the device. When using the receiver, hold the device upright in your hand or in the mobile holder; or place the device on the table using the desk stand. Make also sure that your device has a clear view of the sky.



The internal GPS receiver takes its power from the device battery. Using the GPS receiver may drain the battery faster.

You can also pair a compatible GPS receiver with your device using Bluetooth wireless technology.


Tips on creating a GPS connection


If your device cannot find the satellite signal, consider the following:

- If you are indoors, go outdoors to receive a better signal.
- If you are outdoors, move to a more open space.
- Ensure that your hand does not cover the internal receiver of your device. For the location of the receiver, see "GPS receiver", p. 41.
- Signal strength may be affected by bad weather conditions.
- Establishing a GPS connection may take from a couple of seconds to several minutes. Establishing a GPS connection in a car may take longer.
- Some vehicles have tinted (athermic) windows, which may block the satellite signals.

Map application

With the map application you can browse maps; see your location on the map; search for street addresses, different points of interest, coordinates or other locations, and save them as favorites. You can also purchase extra services, such as a navigation service with voice guidance.

To access the application, tap , and select **My selection > Map**.

The map application receives information about your current position using GPS. The application can use either an internal or external GPS receiver. To define which positioning method is used, tap  and select **Settings > Control panel**. In **Control panel**, select **GPS location**.

Almost all digital cartography is inaccurate and incomplete to some extent. Never rely solely on the cartography provided for use in this device.

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

Browse maps


Depending on the product model, the availability of local maps can vary:

Local maps are pre-installed on your device.




The map coverage and level of details on the map vary by region.


When you open the map application, the map view is displayed. If you have not selected an active map region, a list of available map regions is opened.


To browse a map, pan it with the stylus, or tap **[+]** and **[-]** icons on the screen to zoom in and out.

You can also activate the zoom mode from the application toolbar. Tap  to zoom by drawing a square around the desired section of the map. To zoom in, draw from left to right. To zoom out, draw from right to left.

When your GPS receiver has found satellite signals, your current location is calculated and shown on the map. The availability of location information is shown on the display with a colored GPS icon.

 indicates that the position is available;  that the position is inaccurate or the GPS signal is not available;  that there is no GPS connection.

Your current location is indicated on the map with a cursor. When you browse the map, you can always zoom into your current location by tapping  on the toolbar.

The red and white compass needle shows the orientation of the map which faces north by default. To view detailed compass information and GPS signal status, tap  on the toolbar.

For each point of interest or any location on the map, you can open a context-sensitive menu that has different functions depending on the type of object. To open the context-sensitive menu, hold the stylus or your finger down on the selected object until the menu opens.

Select and download maps


To select the active map, open the application menu and select **Maps**. A dialog opens and displays two pages of information:

Maps in device page lists all maps currently stored on your device.

Available maps page allows you to download additional map regions. To update the list of all available maps on the server, select **Update**.

Additional maps on the server are free of charge. For information on potential data transmission charges, contact your service provider.

Find locations

To find addresses, cities, suburban areas, and services stored in the map database, tap  on the toolbar.

You can search for a location based on the following information:

Address—Enter the street address of a desired location. To limit your search to a certain area, enter a postal code or the name of a city.

City—Enter the name of the desired city or suburban area.

History—Select the desired location from a list of the most recently used locations.


Favorites—Select the desired location from a list of stored favorites.

POIs—Enter the name of a point of interest, or select a specific point-of-interest category from the list.

WGS84—Enter the WGS84 coordinates of the desired location.

The found location is shown on the map as a red pin.


Favorites

You can store frequently used locations, like addresses or points of interest, in your favorites. To add an item to the favorites list, select an object or location on the map, and select **Add to favorites** from the context-sensitive menu. To access the list of your favorites, tap  on the toolbar.

Points of interest

A large number of points of interest, such as hotels, petrol stations, and golf courses, are shown on the map as special square shaped icons. To select a point of interest in the map view, tap it.

To open a web page related to the selected point of interest, select **Search** from the context-sensitive menu.


To access the most typical points of interest, tap  on the toolbar. To see a list of the nearest points of interest, select one of the available categories.

To define the points-of-interest categories that are displayed on the map, in the point-of-interest dialog, select **Configure**, and the desired categories from the list. You can also set a proximity alert for a point-of-interest category in the same dialog. This feature gives you an alert whenever you approach a point of interest in the selected category.

Extra services

To purchase a navigation service for the map application, tap the arrow icon on the right side of the display. A menu opens, and you are prompted to purchase the navigation service, if you have not yet done so. After purchasing, all navigation features become available in the menu.

To start navigation, tap the arrow icon on the right side of the display, select **Find route** from the menu, and enter the destination similarly to finding a location. When a GPS signal is available, your current location is automatically used as the point of origin for navigation. Otherwise, the map application asks you to provide the point of origin.

To change navigation related settings, like routing options and voice guidance, tap  on the navigation menu.

To return to map view, tap  in the top right corner of the navigation view.

Settings

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 File manager. You can also view and update installed packages and uninstall them.

Tap , and select **Settings > 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 **Settings > Connection manager**.

Control panel

To perform configuration and customization tasks, tap , and select **Settings > Control panel**, and from the following applets:

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 internet tablet, and set its visibility.

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

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 and 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.

GPS location—Configure items related to GPS functionality, and view the details of your current location.

Language and region—Select your region and device language.

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

Panels—Modify the content of the task navigator area, and rearrange the contents of the application menu ().

Phone—Pair and select a phone that is used for internet connections.

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—Select keyboard layout, and set default and alternative text input languages. Enable or disable stylus input methods, full-screen finger keyboard, and handwriting case correction. Set character recognition speed.


Themes—Modify the look and feel of your device.

To open an applet, highlight and activate it. For more information on individual applets, see the device help.


Restore original settings

To restore original factory settings, select  > Tools > **Restore original settings....** This function does not affect the content you have created, security codes, passwords, WiMAX credentials, the device language, game scores, or contents of the internal non-removable memory card. However, it removes, for example, account user names defined for instant messaging and internet calls.

Clear device data

To clear all data from the device, select  > Tools > **Clear device....** This function removes all data from the internal non-removable memory card in your device. It also removes your WiMAX credentials. It does not affect the applets you have installed.

Install connection settings

To install connection settings from the mobile operator database, select  > Tools > **Cellular provider setup wizard....**

Utilities


Calculator

To access the calculator, tap , and select Utilities > Calculator.



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


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.


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.

File manager can also display the shared content of available UPnP media servers.


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

Notes

To create, save and send small notes, 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, tap , and select Utilities > Sketch. All sketches are saved in .png format.

PC connectivity

You can connect your device to a compatible PC with the supplied Nokia connectivity cable (USB). Use the USB cable to transfer files to a compatible memory card and to update the latest software on your device. You can also use Bluetooth connectivity to make a wireless connection to your compatible PC (for example, to transfer files).

When the USB cable is connected, a memory card in your Nokia internet tablet is listed as a mass storage device on your PC, and  is displayed on your internet tablet. 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 internet tablet. 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.

Battery and charger information

Your device is powered by a rechargeable battery. The battery intended for use with this device is BP-4L. This device is intended for use when supplied with power from the Nokia AC-4 and DC-4 chargers. 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. Use of an unapproved battery or charger may present a risk of fire, explosion, leakage, or other hazard.

If a battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display.

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

Unplug the charger from the electrical plug and the device when not in use. Do not leave 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.

Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity

and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance is particularly limited in temperatures well below freezing.

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

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

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

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

Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service center for inspection before continuing to use it.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

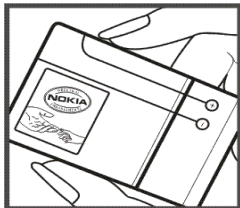
Nokia battery authentication guidelines

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

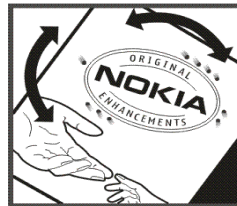
Successful completion of the steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic, original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for assistance.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

Authenticate hologram

- 1 When you look at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when



- 2 When you angle the hologram left, right, down and up, you should see 1, 2, 3 and 4 dots on each side respectively.



What if your battery is not authentic?

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

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

Care and maintenance

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

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- Use 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 positioned at least 2.2 centimetre (7/8 inch) 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.

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

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