



**NOKIA**  
Nseries

Get started  
with  
home network

Nokia N93i-1

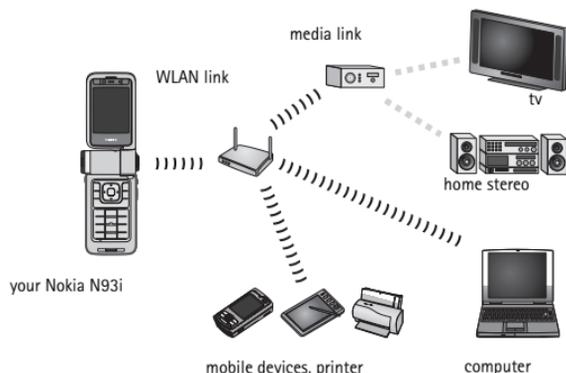


# Get started with home network

Issue 2, EN, 9200194

## Introduction

With UPnP architecture and wireless local area network (WLAN) you can create a home network of compatible devices. The network may consist of your Nokia N93i, a PC, a printer, and a sound system or a TV.



You can use your Nokia N93i as a remote control, easily catalog music, pictures and video on your PC, create

custom music playlists, photo albums and movie collections. You can also transfer compatible media files to your Nokia N93i and back up files from your Nokia N93i to your PC.

Using the wireless LAN function of the Nokia N93i in a home network requires a working wireless LAN home connection setup. The other target home devices must also be UPnP enabled and connected to the same home network.

To create a WLAN connection, you can use WLAN wizard, connection manager, or Connection in Settings depending on the type of your connection. This guide explains how to create the connection with WLAN wizard.

## Using this guide

To get started with home network,

- 1 Create an access point. See 'WLAN wizard', p.3.
- 2 Set up home network. See 'Set up home network', p.4.
- 3 Start using home network. See 'View and listen to media files', p. 5 and 'Copy media files', p. 7.

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

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



## WLAN wizard

The WLAN wizard helps you to connect to a wireless LAN and manage your wireless LAN connections.

The WLAN wizard shows the status of your wireless LAN connections in the active standby mode under calendar entries.



 **Tip!** The necessary setting for WLAN configuration are provided by your WLAN service provider, or determined by your network configuration. If your WLAN settings are incomplete or incorrect contact your service provider.

## WLAN connection

### Scan for a connection

- 1 To scan for available WLAN connections when the status is **WLAN scanning off**, scroll to the WLAN status line in the active standby view, and press  to start scanning for WLAN connections. If several connections are available, **WLAN networks found** is displayed.
- 2 Press , and select **Search for WLAN** to show the connections.

### Select the connection

- 1 Scroll to the desired connection and press .
- 2 Depending on the type of the network you select, continue as follows:
  - For a nonsecure network, access point is created and the browser bookmarks view opens. Continue with 'Set up home network', p. 4.
  - For a secure, but not hidden network indicated with , security passwords are required. Continue with 'Secure network', p. 4.
  - For hidden networks, continue with 'Hidden network', p. 4.

 **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.

## Secure network



Enter WEP or WPA/WPA2 key. The WEP and WPA/WPA2 functions can be used only if the network supports them. The browser bookmarks view opens. Continue with 'Set up home network', p. 4.

## Hidden network

- 1 Enter the network name (SSID).
- 2 For a secure network, select the encryption used in WLAN security mode: Open network, WEP, or WPA/WPA2. If you select Open network, no encryption is used. The WEP and WPA functions can be used only if the network supports them.
- 3 Enter the security key. The same settings must be entered on the wireless LAN access point device.
- 4 Continue with 'Set up home network', p. 4.



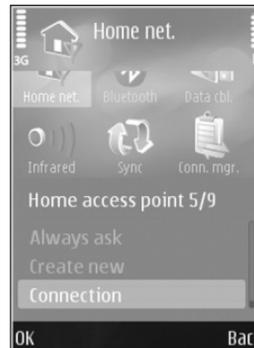
**Tip!** To make access point changes, such as changing the security key later, press , and select Tools > Settings > Connection > Access points.



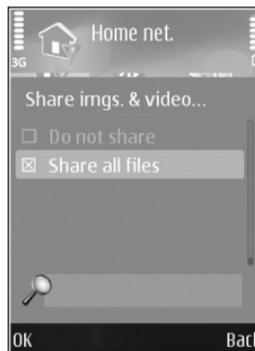
## Set up home network

To set up home network, do the following:

- 1 Press , and select Connect. > Home net. When you access the home network application for the first time, the setup wizard opens, and helps you to define the home network settings for your Nokia N93i.
  - Tip!** To use the setup wizard later, select Options > Run wizard in the home network main view.
- 2 Enter a name for your Nokia N93i. The name is shown to the other compatible devices in the home network.
- 3 Select the access point that was defined with WLAN wizard. For more information, see 'WLAN wizard', p. 3. You can also select Always ask if you want the device to ask for the home access point every time you connect to the home network or Create new to create a new access point.



- 4 Select whether to share content like images, videos and music. If you set Content sharing on, the other UPnP compatible devices in the home network can view and copy your files you have selected for sharing in the **Images & video** and **Music** folders of your Nokia N93i. Even if Content sharing is off in your Nokia N93i, you can still view and copy the media files stored in another home network device if it is allowed by the other device.



The options related to Home net. are not available in Gallery before the Home net. settings have been configured.

To connect a compatible PC to the home network, on the PC, you must install the home media server software from the DVD-ROM supplied with Nokia N93i or available on [www.nokia.com/support](http://www.nokia.com/support).

For more information about the home media server software, visit [www.simplecenter.net/nokia](http://www.simplecenter.net/nokia).

## View and listen to media files

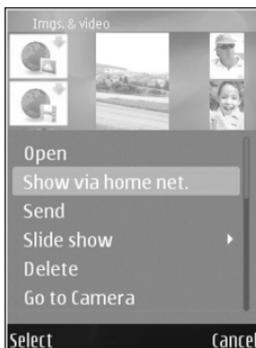
You can share media files saved in Gallery with other compatible UPnP devices using the home network. You can also use the home network to view, play, copy, or print compatible media files from Gallery. To manage your home network settings, press , and select **Connect**. > Home net..

Your device is connected to the home network only if you accept a connection request from another device, or in Gallery, select the option to view, play, print, or copy media files on your Nokia N93i or search for other devices in the home network folder.

### Show stored media files in your Nokia N93i

To select images, videos, and sound clips stored in your Nokia N93i and show them in another home network device, such as a compatible TV, do the following:

- 1 In Gallery, select an image, a video clip, or a sound clip.
- 2 Select **Options > Show via home net.**
- 3 Select a compatible device in which the media file is shown. The images are shown both in the other home network device and your Nokia N93i, and the video clips and sound clips are played only in the other device.



### Show stored media files in the other device

To select media files that are stored on another home network device and show them in your Nokia N93i (or in a compatible TV, for example), do the following:

- 1 In Gallery, select **Home network**. Your Nokia N93i starts the search of other compatible devices. Device names start to appear on the display.
- 2 Select a device from the list.
- 3 Select the type of media you want to view from the other device. The available file types depend on the features of the other device.
- 4 Select the image, video clip, or music clip you want to view, and select **Options > Show via home net.** (images and video) or **Play via home network** (music).

- 5 Select the device in which the file is shown.
- 6 To stop sharing the media file, select **Back**.

To print images saved in Gallery through Home net. with a UPnP compatible printer, select the print option in Gallery. See 'Image print' in the user guide. Content sharing does not have to be switched on.

To search files with different criteria, select **Options > Find**.

### Play audio files

To select audio files that are stored on another home network device and play them in a compatible device using your Nokia N93i as a remote control, do the following:

- 1 In Gallery, select **Home network**. Your Nokia N93i starts the search of other compatible devices. Device names start to appear on the display.
- 2 Select a device from the list.
- 3 Select an audio file from the other device. To select several audio files, mark them first (**Options > Mark/Unmark > Mark**) one by one.
- 4 Select the audio file. After a short pause, a set of devices is shown.
- 5 Select the device in which the file is played.
- 6 To stop playing, select **Back** from your Nokia N93i.

## Copy media files

To copy or transfer media files from your Nokia N93i to another compatible device, such as a UPnP compatible PC, select a file in Gallery and **Options > Move and copy > Copy to home network** or **Move to home network**. Content sharing does not have to be switched on.

To copy or transfer files from the other device to your Nokia N93i, select a file in the other device and **Options > Copy to phone mem.** or **Copy to memory card** (the name of the memory card if a compatible miniSD card is inserted in the device). Content sharing does not have to be switched on.



## Important security information

When you configure your wireless LAN home network, enable an encryption method, first on your access point device, then on the other devices you intend to connect to your home network. Refer to the documentation of the devices. Keep any passcodes secret and in a safe place separate from the devices.

To view or change the settings of the wireless LAN internet access point in your Nokia N93i, see 'Access points' in user guide.

If you use the ad hoc operating mode to create a home network with a compatible device, enable one of the encryption methods in **WLAN security mode** when you configure the internet access point. This step reduces the risk of an unwanted party joining the ad hoc network.

Your device notifies you if another device attempts to connect to it and the home network. Do not accept connection requests from an unknown device.

If you use wireless LAN in a network that does not have encryption, switch off sharing Nokia N93i files with other devices, or do not share any private media files. To change sharing settings, see 'Home network settings' in the user guide.

## Troubleshooting

**Q:** I cannot see my compatible PC from my device over the home network. What's wrong?

**A:** If you are using a firewall application in your compatible PC, check that it allows home media server to use the connection. (You can add it to firewall application's exceptions list.) Check that the firewall

application allows traffic to ports 1900, 49152, 49153 and 49154.

Check that an in-built firewall of WLAN access points does not block the traffic from the ports 1900, 49152, 49153 and 49154.

Check that you have the same WLAN settings in your Nokia N93i and in compatible PC.

**Q:** My connection stopped working. What can I do?

**A:** Disable WLAN from your compatible PC and Nokia N93i and enable it again. If this does not help, restart your compatible PC and phone. If you still have a problem reconfigure WLAN settings to compatible PC and Nokia N93i.

## Support

### Help

The help function provides instructions when you are using the device. To access it from an application, select **Options > Help**.

### Online

For Additional applications leaflet and other information, see <http://www.nokia.com/support>.

Refer to the user guide for other important information about your device

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