



Quick Start Guide

NetShair Nano

Ultra Portable Wi-Fi Router/Access Point

GWPAP1

PART NO. Q1376

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Table of Content

| | |
|---|----|
| Package Contents | 4 |
| System Requirements | 4 |
| Overview | 4 |
| Charging | 5 |
| Router Mode or AP Mode | 5 |
| Hardware Installation | 6 |
| Software Setup: Which device do you have? | 6 |
| NetShair Nano Setup - iPod / iPhone / iPad | 7 |
| Internet Connection - iPod / iPhone / iPad | 8 |
| Wireless Security Settings - iPod / iPhone / iPad | 12 |
| NetShair Nano Setup - Android | 13 |
| Internet Connection - Android | 14 |
| Wireless Security Settings - Android | 18 |
| NetShair Nano Setup - Computer / Other | 19 |
| Internet Connection - Computer / Other | 20 |
| Wireless Security Settings - Computer / Other | 24 |
| Hotel Usage Explanation Note | 26 |
| Troubleshooting | 26 |
| IC Statement | 27 |
| FCC Statement | 28 |
| CE Statement | 28 |
| Limited Warranty | 29 |
| Contact | 29 |

Package Contents

1 x NetShair Nano Wi-Fi Router/
Access Point

1 x Quick Start Guide
1 x Warranty Card

System Requirements

- USB port or USB charger
- Wired Ethernet connection with standard RJ45 connector
- Wi-Fi enabled computer or mobile device with either Android 2.3.3+ or iOS 5.1+
- NetShair Nano App downloaded from Google Play Store™ or Apple App StoreSM (App not required for PC/MAC)

Overview

1. WPS green LED status indicator
Flashing = WPS mode active
Off = WPS mode off

2. WLAN blue LED status indicator
Flashing = Network active
Off = No active network

3. Network green LED
LED On = Port is linked
Flashing = Transmitting /
Receiving data
Off = No active link

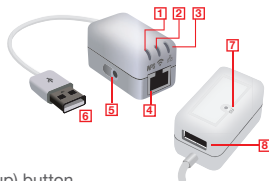
4. RJ-45 Ethernet port

5. WPS (Wi-Fi Protected Setup) button

6. USB power connection

7. Reset button

8. USB pass-through
charging port



Charging

USB pass-through charging port: connect to charge most smartphones and USB devices (1A maximum pass-through current).



Router Mode or AP Mode

The NetShair Nano can be used in one of two operating modes: Router Mode and Access Point Mode

Router Mode:

This is the default setting and is commonly used for most applications. Router Mode converts an Ethernet connection to Wi-Fi with DHCP, enabling you to create a private Wi-Fi network and share Internet access to multiple users and devices. If using the NetShair Nano at home with a cable modem, use Router Mode and the WAN setting for DHCP Client. If using at home with a DSL modem, use Router Mode and the WAN setting for PPPoE connection.

Access Point Mode (AP Mode):

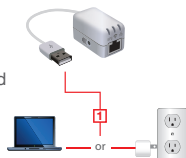
This mode simply turns a wired network or Internet connection into a wireless access point. AP Mode is suitable if you already have a router managing DHCP and need a wireless internet connection in places such as hotels, dorms and offices where only a wired network is available. Please note that when connecting to networks in some hotels or places that charge a

fee for each device connected, use Router Mode to share a single IP address between your connected devices. Using AP mode on these networks would require each device to have a separate IP address, likely causing an access charge for each one.

Hardware Installation

Do not connect the Ethernet cable until app/client setup is complete!

1. To power on the NetShair Nano, plug into a USB port on your computer or to a USB charging adapter of any mobile device.
2. Download the NetShair Nano App for your devices from their respective app store. (App not required for PC/MAC or other devices with full HTML browser support).
3. Connect to the NetShair_Nano_XXXX Wi-Fi network.
Note: XXXX= Last 4 digits of the NetShair Nano's MAC ID.



USB wall charger not included

Software Setup: Which device do you have?

| | |
|---------------------------|---------|
| iPod / iPhone / iPad..... | page 7 |
| Android | page 13 |
| Computer / Other | page 19 |

NetShair Nano Setup iPod / iPhone / iPad

Do not connect Ethernet cable until last step!
(See Internet Connection)

1. Make sure you have downloaded the NetShair Nano App prior to setup!
2. To download the NetShair Nano App, open the App StoreSM on your iPod, iPhone or iPad. Search for the “NetShair Nano” App and download it to your device.
3. After installation is complete, the NetShair Nano App icon will be shown on the device. Connect the NetShair Nano to a powered USB port on your computer or to a USB charging adapter of any mobile device.



4. Open the Settings menu on your device and set Wi-Fi to ON.
5. Choose “NetShair_Nano_XXXX” network.



6. Enter the default password “12345678” and tap Join to connect. Wi-Fi will display NetShair_Nano_XXXX.



7. See **Internet Connection** on the next page to set operating mode.

Internet Connection iPod / iPhone / iPad

Router Mode Setting

Follow the steps below to setup the NetShair Nano for Router Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the NetShair Nano App.

2. On the Home screen, tap **Advance Setting**.



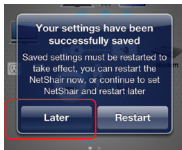
3. Tap the **Set Operation Mode** button



4. Select **Router** for the Operation Mode.



5. A notification saying your settings have been saved will appear, tap **Later** to continue without the NetShair Nano rebooting.

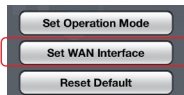


DHCP Setup continue to page 9

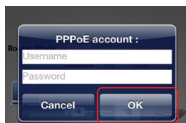
DSL Modem Setup continue to page 10

Router Mode: DHCP (Default)

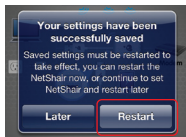
1. On the Home screen, tap **Advance Setting**, then **Set WAN Interface**.



2. The default setting is DHCP client. If the network requires a username and password to access, select PPPoE. Enter the username and password then tap **OK**.



3. Tap **Restart** to save settings.



4. After the NetShair Nano reboots, connect an Ethernet cable to the NetShair Nano. The Network LED indicator will light solid once a successful connection has been made.

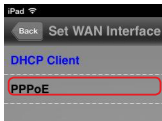


5. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.

Router Mode: PPPoE

NetShair Nano comes preset for DHCP Mode which is the standard mode for cable internet providers. When using NetShair Nano with a DSL Modem please follow the steps below:

1. Make sure the NetShair_Nano_XXXX Wi-Fi Network is connected.
2. After setting the NetShair Nano in Router Mode (see Router Mode Setting), tap on **Advance Setting** and then select **Set WAN Interface**.



3. Select **PPPoE** from the menu and enter username and password.
4. Tap **OK**, then **Restart** when prompted. Wait approximately 60 seconds for the NetShair Nano to restart.
5. Once restarted, connect Ethernet cable to Netshair Nano.
6. Connect back to NetShair_Nano_XXXX Wi-Fi Network. Open your web browser to access the internet.

PPPoE account :

Username

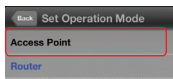
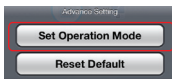
Password

Cancel OK

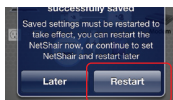
Access Point Mode Setting

Follow the steps below to setup the NetShair Nano for AP Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the NetShair Nano App.
2. On the Home screen, tap **Advance Settings**.
3. Tap **Set Operation Mode** and then tap **Access Point**.



4. Tap **Restart** to save settings.



5. After the NetShair Nano reboots, connect an Ethernet cable to the NetShair Nano. The Network LED indicator will light solid once a successful connection has been made.



6. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.

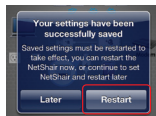
Wireless Security Settings iPod / iPhone / iPad

In order to change the Network Name (SSID) or password (Network Key) for the wireless network created by NetShair Nano, please refer to the following steps:

Option 1: Wireless Password

To change the pre-shared network key, enter a new key with a minimum of 8 characters.

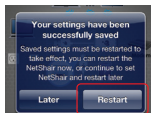
1. Tap **Basic Setting** > **Set Wireless Security** > Fill in new Password > Tap **OK** > Tap **Restart**



Option 2: Network Name

To change the name of your wireless network (SSID) enter the new name in the SSID box.

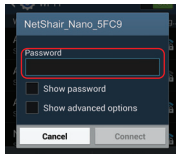
1. Tap **Basic Setting** > **Set Wireless SSID** > Fill in new SSID > Tap **OK** > Tap **Restart**



NetShair Nano Setup Android

Do not connect Ethernet cable until last step!
(See Internet Connection)

1. Make sure you have downloaded the NetShair Nano App prior to setup!
2. To download the NetShair Nano App, open the Google Play™ Store on your Android device. Search for the “NetShair Nano” App and download it to your device.
3. After installation is complete, the NetShair Nano App icon will be shown on the device. Connect the NetShair Nano to a powered USB port on your PC or connect to a USB charging adapter for any mobile device
4. Open the Settings menu on your device and set Wi-Fi to ON.
5. Choose “NetShair_Nano_XXXX” network.
6. Enter the default password “12345678” and tap Connect. Wi-Fi will display NetShair_Nano_XXXX.
7. See **Internet Connection** on next page to set operating mode

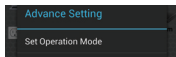


Internet Connection Android

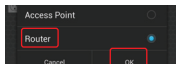
Router Mode Setting

Follow the steps below to setup the NetShair Nano for Router Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

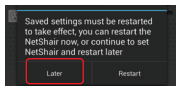
1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the NetShair Nano App.
2. On the Home screen, tap **Advance Setting**.



3. Tap **Set Operation Mode** and then tap **Router** and press **OK**.



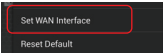
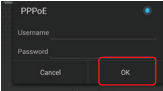
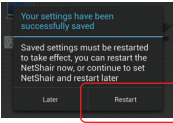
4. A notification saying your settings have been saved will appear, tap **Later** to continue without the NetShair Nano rebooting.



DHCP Setup continue to page 15

DSL Modem Setup continue to page 16

Router Mode: DHCP (Default)

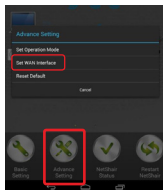
1. On the Home screen, tap **Advance Settings**, then **Set WAN Interface**.
2. By default the NetShair Nano is set to DHCP client. If the network requires a username and password to access, select PPPoE. Enter the username and password then tap **OK**.
3. Tap **Restart** to save settings.
4. After the NetShair Nano reboots, connect an Ethernet cable. The Network LED indicator will light solid once a successful connection has been made.
5. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.

Router Mode: PPPoE

NetShair Nano comes preset for DHCP Mode which is the standard mode for cable internet providers. When using NetShair Nano with a DSL Modem please follow the steps below:

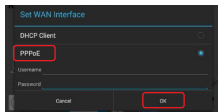
1. Make sure the NetShair_Nano_XXXX Wi-Fi Network is connected.

2. After setting the NetShair Nano in Router Mode (see Router Mode Setting), tap on **Advance Setting** and then select **Set WAN Interface**.



3. Select **PPPoE** from the menu and enter username and password.

4. Tap **OK**, then Restart when prompted. Wait approximately 60 seconds for the NetShair Nano to restart.



5. Once restarted, connect Ethernet cable to Netshair Nano.
6. Connect back to NetShair_Nano_XXXX Wi-Fi Network. Open your web browser to access the internet.

Access Point Mode Setting

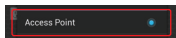
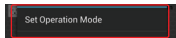
Follow the steps below to setup the NetShair Nano for AP Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the NetShair Nano App.

2. On the Home screen, tap **Advance Setting**.



3. Tap **Set Operation Mode** and then **Access Point**.



4. Tap **Restart** to save settings.



5. After the NetShair reboots, connect an Ethernet cable. The Network LED indicator will light solid once a successful connection has been made.
6. Connect back to NetShair_Nano_XXXX Wi-Fi network. Go to a website and the Internet will be live.

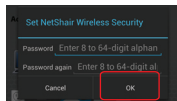
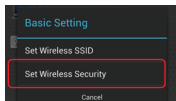
Wireless Security Settings Android

In order to change the Network Name (SSID) or password (Network Key) for the wireless network created by NetShair Nano, please refer to the following steps:

Option 1: Wireless Password

To change the pre-shared network key, enter a new key with a minimum of 8 characters.

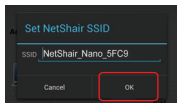
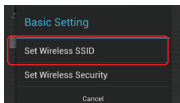
1. Tap **Basic Setting** > **Set Wireless Security** > Fill in new Password > Tap **OK**.



Option 2: Network Name

To change the name of your wireless network (SSID) enter the new name in the SSID box.

1. Tap **Basic Setting** > **Set Wireless SSID** > Fill in new SSID > Tap **OK**.

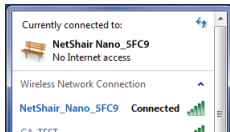
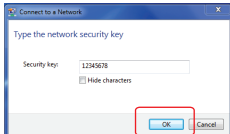


NetShair Nano Setup Computer / Other

Note: Follow the steps below to setup NetShair Nano using the web client for computers or mobile devices with a full HTML browser.

Do not connect Ethernet cable until last step! (See Internet Connection)

1. Power on the NetShair Nano by plugging it into a powered USB port on your laptop / desktop or by plugging it into a USB charging adapter of a USB mobile device.
2. Click on the wireless icon on the bottom right corner of the screen.
3. Choose the “NetShair_Nano_XXXX” Network.
4. Enter the default password “12345678” and then press **OK** to connect.
5. Wireless Network connection will show NetShair_Nano_XXXX connected.

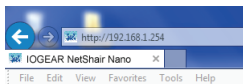


Internet Connection Computer / Other

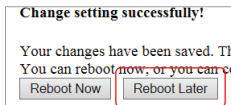
Router Mode Setting

Follow the steps below to setup the NetShair Nano for Router Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the Browser and enter 192.168.1.254 into the address bar to access the web client.



2. On the Operation Mode page, click the drop down menu and select **Router**, then click **Apply Change**. A notification saying your settings have been saved will appear, click **Reboot Later** to continue without the NetShair Nano rebooting.

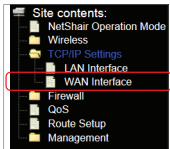


DHCP Setup continue to page 21

DSL Modem Setup continue to page 22

Router Mode: DHCP (Default)

1. By default the NetShair Nano is set to DHCP client. If the network the NetShair Nano is connected to requires a username and password to access, select **TCP/IP Settings**, then click **WAN Interface**.



Enter the username and password provided by the administrator and click **Apply Changes**.

WAN Interface Setup

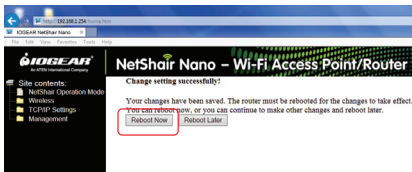
This page is used to configure the parameters for Internet method to static IP, DHCP, PPPoE, PPTP or L2TP by cli

WAN Access Type:

User Name:

Password:

2. The NetShair Nano will need to reboot to apply the changes made. Click **Reboot Now**.



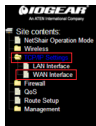
5. Once rebooted, connect an Ethernet cable from the modem to the NetShair Nano.
6. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.



Router Mode: PPPoE

NetShair Nano comes preset for DHCP Mode which is the standard mode for cable internet providers. When using NetShair Nano with a DSL Modem please follow the steps below:

1. Make sure the NetShair_Nano_XXXX Wi-Fi Network is connected.
2. After putting the NetShair Nano in Router Mode (see Router Mode Setting), open a browser to 192.168.1.254 to get to the setup page.
3. Go to TC/IP setting then go to WAN Interface Setting.
4. Select **PPPoE** from the drop down box and enter username and password. Do not make any other changes.



5. Click **Apply Changes** at the bottom of the page and wait approximately 60 seconds for the NetShair Nano to restart.
6. Once restarted, connect Ethernet cable to NetShair Nano
7. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.

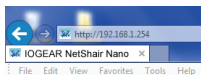
Access Point Mode Setting

Follow the steps below to setup the NetShair Nano for AP Mode. If you are unsure about which mode to use, see Router Mode or AP Mode (page 5) to confirm the proper setting.

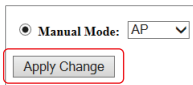
1. Make sure the “NetShair_Nano_XXXX”

Wi-Fi network is connected.

Open the Browser and enter 192.168.1.254 into the address bar to access the web client.



2. On the Operation Mode page, click the drop down menu and select **AP**, then click **Apply Change**.



3. The NetShair Nano will need to reboot to apply the changes made. Click **Reboot Now**.

Change setting successfully!

Your changes have been saved. The
You can reboot now, or you can co

Reboot Now **Reboot Later**

4. Once rebooted, connect an Ethernet cable from the modem to the NetShair Nano.
5. Connect back to NetShair_Nano_XXXX Wi-Fi network. Open your web browser to access the internet.

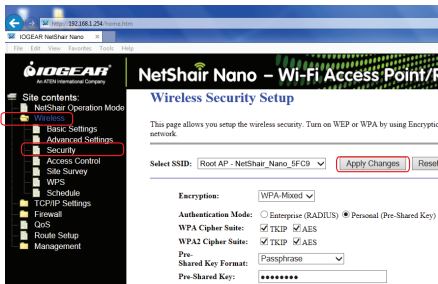


Wireless Security Settings Computer / Other

In order to change the Network Name (SSID) or password (Network Key) for the wireless network created by NetShair Nano, please refer to the following steps:

Option 1: Wireless Password

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the Browser and enter 192.168.1.254 into the address bar to access the web client.
2. Select **Wireless**, then click **Security**.
3. Click the drop down menu for Encryption and select from the following: WEP, WPA, WPA2, or WPA-Mixed (Recommended).
4. Enter a new network key with a minimum of 8 characters and click **Apply Changes**.
5. The NetShair Nano will need to reboot to apply the changes made. Click **Reboot Now**.



Option 2: Network Name (SSID)

1. Make sure the “NetShair_Nano_XXXX” Wi-Fi network is connected. Open the Browser and enter 192.168.1.254 into the address bar to access the web client.
2. Select **Wireless**, then click **Basic Settings**
3. Enter the new network name in the SSID box and click **Apply Changes**.
4. The NetShair Nano will need to reboot to apply the changes made. Click **Reboot Now**.



Hotel Usage Explanation Note

Hotel provides wired Internet access

1. Do not connect the Ethernet cable until app/client setup is complete.
2. Power on the NetShair Nano by plugging it into a powered USB port on your Laptop or Desktop or by plugging it into a USB charging adapter of a USB mobile device.
3. Connect your iPhone/iPad/Android Phone/Android Tablet/Laptop to the device through Wi-Fi.
4. Follow the setup directions shown for your device type.
5. Connect the Ethernet cable in hotel to the WAN port of device.
6. If hotel charges a fee for each device connected, make sure to set the NetShair Nano to Router Mode.

Troubleshooting

If you are setting up the NetShair Nano using a web client (Internet Browser) and cannot get to the 192.168.1.254 page, you may have connected the Ethernet cable before completing device setup. If this is the case, the NetShair Nano may have experienced an IP conflict and automatically changed the LAN subnet to 192.168.0.254. Please enter 192.168.0.254 into your browser and follow the setup instructions again.

IC Statement

IC Caution:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme la norme d'Industrie Canada de licence RSS(s).

Son fonctionnement est soumis aux deux conditions suivantes:

- (1) cet appareil ne peut pas causer d'interférences, et
- (2) cet appareil doit accepter toute interférences, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC Statement

This product has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful radio frequency interference when operated in a commercial environment. See User Manual for additional information.

CE Statement

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (2004/108/EC), Low Voltage (2006/95/EC) and R&TTED (1999/5/EC).

Limited Warranty

WE'RE HERE TO HELP YOU! NEED ASSISTANCE SETTING UP THIS PRODUCT?

Make sure you:

1. Visit www.iogear.com for more product information
2. Visit www.iogear.com/support for live help and product support

Warranty Information

This product carries a 1 Year Limited Warranty. For the terms and conditions of this warranty, please go to

<http://www.iogear.com/support/warranty>

Register online at <http://www.iogear.com/register>

Important Product Information

Product Model _____

Serial Number _____

Contact

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