Wireless Router

Quick Start Guide

Rev. 1.0a



Model WR300NQ

Step One: Hardware Connection

1. If you have xDSL Broadband internet access, connect your hardware as shown in the following diagram:



2. If you have Residential Broadband internet access, connect your hardware as shown in the following diagram:



After the hardware connections have been completed, check the status of the LED Indicators using the following table:

LED	Description	Normal Status
Indicator		
POWER	Power Status	Steady Light
	Indicator	
SYS	System status	Steady Light or
	Indicator	Slow Flashing
WLAN	Wireless Status	Steady Light or
	Indicator	Slow Flashing
WPS	Wi-Fi protected	Steady Light or
	status indicator	Flashing When
		Pairing
WAN	Broadband	Steady Light or
	Network Status	Slow Flashing
	Indicator	
1-4 LAN	LAN (Local Area	Steady Light or
Port	Network)	Slow Flashing
	indicator	

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Note: If the LED indicator is not displaying a "Normal Status" as described in the table above, please check the associated hardware and connections.

Safety Notice

- Operating Position: The device should be placed on a flat horizontal surface, or secured safely to a wall.
- > Operate equipment away from heat sources.
- Provide good air ventilation.
- > Keep away from water and damp areas.
- > Disconnect power from the device during severe thunderstorms.
- > Use only the included AC power adapter.

Step Two: Set up the computer

- ♦ Installation on a Windows 2000 or Windows XP system
- 1. Right click on "My Network Places" and choose "Properties".



2. Right click on "local Area Connection" and choose "Properties".



3. Double click on "Internet Protocol (TCP/IP)"

🗕 Local Area Connection Properties 🛛 🕐	×
General Advanced	
Connect using:	
VIA Compatable Fast Ethernet Adapte Configure	ו
This connection uses the following items:	
File and Printer Sharing for Microsoft Networks	
V Bus Packet Scheduler	
	4
Install Uninstall Properties	j
Description	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication	
 Show icon in notification area when connected Notify me when this connection has limited or no connectivity 	
	5

4. Choose "Obtain an IP address automatically", then choose "obtain DNS Server Address automatically", click the "OK" button.

Internet Protocol (TCP/IP) Properties 🛛 🔹 🛛 🛛					
General Alternate Configuration					
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.					
Obtain an IP address automatically					
Use the following IP address:					
IP address:					
Subnet mask:					
Default gateway:					
Obtain DNS server address automatically					
Use the following DNS server addresses:					
Preferred DNS server:					
Alternate DNS server:					
Advanced					
OK Cancel					

♦ Installation on a Windows Vista or Windows 7 system

1. Click on "start", then select "Control Panel", then select "Network and Internet", and then you should see "local Area Connection". Right click "Local Area Connection", and then choose "Properties".



2. Double click on "Internet Protocol Version4 (TCP/IPv4)".

Connect using:		
Generic		
in several contraction of the		Configure
This connection uses	s the following items:	
Client for Mi	crosoft Networks	
QoS Packe	t Scheduler	
🗹 💾 File and Prin	ter Sharing for Microsoft Netwo	orks
Internet Pro	tocol Version 6 (TCP/IPv6)	
 Internet Pro Internet Pro Internet Pro Internet Pro 	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fonology Discovery Mapper 1/0	Driver
✓ Internet Pro ✓ Internet Pro ✓ Internet Pro ✓ ✓ Internet Pro ✓ ✓ ✓ ✓ ✓ ✓ ✓	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder	D Driver
✓ Internet Pro ✓ Internet Pro ✓ Internet Pro ✓ Link-Layer ✓ Link-Layer	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder	D Driver r
✓ Internet Pro ✓ Install	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder Uninstall	D Driver r Properties
✓ Internet Pro ✓ Internet Pro ✓ Internet Pro ✓ Link-Layer ✓ Link-Layer Install Description	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder	D Driver r Properties
✓ Internet Pro ✓ Internet Pro ✓ Internet Pro ✓ Ink-Layer ✓ Ink-Layer Install Description Transmission Cont Transmission Cont	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder Uninstall	D Driver r Properties The default
✓	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Fopology Discovery Mapper I/C Fopology Discovery Responder Uninstall Uninstall rol Protocol/Internet Protocol. protocol that provides commu erconnected networks	D Driver r Properties The default nication

3. Choose "Obtain an IP address automatically" then choose "Obtain DNS Server Address automatically", then click the "OK" button.

General Alternate Configuration	4) Properties
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	tomatically if your network supports I to ask your network administrator
Obtain an IP address automati	cally
OUse the following IP address:	
IP address:	· · · · · · · · · · · · · · · · · · ·
Subnet mask:	
Default gateway:	
Obtain DNS server address aut	tomatically
OUse the following DNS server a	addresses:
Preferred DNS server:	
Alternate DNS server:	• • •
Validate settings, if changed,	upon exit Advanced
	OK Cancel

Step Three: Using the Setup Wizard

1. Open a web browser.



Note: The default wireless IP address for the wireless router is **192.168.1.1**, the default **Subnet Mask is 255.255.255.0**

2. Type "http://192.168.1.1" in the Address field of your web browser and press the "Enter" key. A User Name and Password dialog box will appear. The default User Name is "admin" and the default password is "admin", enter the user name and password then click the "OK" button.

🏉 Blank Page - Windows Internet Explorer		
		V fy X Live Search
File Edit View Favorites Tools Help		
🚖 🕸 🔾 Connecting		🏠 🔻 🖾 🔹 🖶 🕈 🔂 Page 🔹 🎯 Tools 🗸 🎽
Waiting for http://192.168.1.1/	Connect to 192.168.1.1 Provide the server 192.168.1.1 at 11N wireless router requires a username and password. Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection). User name: Iger name: <tr< th=""><th></th></tr<>	

3. After a successful login, the router setting Wizard will appear, click the "Next" button.



4. Determine which of the three listed ISP access methods is used by your internet service provider.

5. Select the Internet Parameter choice, and click the "Next" button.

If you chose Static IP:

If your broadband internet service provider assigned you a fixed IP address, enter the Server IP Address, Subnet Mask and DNS parameters provided by your broadband internet service provider. Click the "Next" button.

Wizard				
Ethernet broadband services you request, and have a fixed IP address, Internet service providers will provide you with some basic network parameters, please fill in the corresponding box. If you forget or do not know, please consult your network operator.				
IP Address:				
Subnet mask:				
Default Gateway:				
Preferred DNS:				
	Back Next			

If you chose Dynamic IP:

If your broadband internet service provider delivers a dynamically assigned IP address, the wireless router can automatically obtain the IP address from your broadband internet service provider. Click the "Next" button.

Wizard				
Automatically obtain IP address				
	Back	Next		

If you chose ADSL Virtual dial-up:

If your broadband internet service provider delivers a PPPoE dial-up / virtual dial-up service compatible with ADSL and Residential broadband Internet access, type in the "Account" name and "Password" provided by your broadband internet service provider. Click the "Next" button.

Wizard	
You apply for ADSL vi please fill in the corre	rtual dial-up service, Internet service providers will provide you with online account and password, esponding box. If you forget or do not know, please consult your network operator.
Account:	adsluser
Password:	Back Next

6. Set the wireless parameters:

SSID: Names the wireless router so it can be identified by devices that access it. The name can contain letters and numbers.
Channel: Choose the wireless channel you wish to use.
Wireless Encryption: Choose the type of encryption you wish to use.
Wireless Password: Choose a password for your wireless network.
You will need to know the password to access your wireless router.

Wizard	
This page of the wizard to	set the basic parameters of the wireless network router.
SSID:	wirless 11n
Channel:	9 💌
Wireless Encryption:	Encryption (WPA) 🐱
Wireless Password:	
	Back Finished

Click "Finished", and Wait 30 seconds for the configuration to complete.

Change setting successfully! Do not turn off or reboot the Device during this time. Please wait 28 seconds ...

Step Four: Wireless Settings in Windows

If you need to set up a computer to access the wireless router, make sure the computer has an internal or external wireless adapter. Make sure the wireless adapter drivers have been installed on the computer. If you have a Windows XP operating system, follow the steps below, otherwise, use the steps as a guideline for your other operating system.

1. Right click on "My Network Places" and choose "Properties".



2. Select "Wireless Network Connection", then right-click, and choose "View Available Wireless Networks".

P	Wireless Network Connection	
	Disable	
	View Available Wireless Networks	
	Status	
	Repair	
	Bridge Connections	
	Create Shortcut	
	Delete	
	Rename	
	Properties	

3. Click on "Refresh Network List", then choose a router name (SSID) from the list of wireless network by double clicking on the name.

(19) Wireless Network Connection		
Network Tasks	Choose a wireless network	
😴 Refresh network list	Click an item in the list below to connect to a wireless network in range or to get more information.	
Set up a wireless network for a home or small office	CE0_FE4CE0 Limited or no connectivity Unsecured wireless network 1111	
Related Tasks	You are currently connected to this network. To disconnect from this network, click Disconnect.	
Learn about wireless networking		
Change the order of preferred networks	((Q)) ¹²³⁴⁵	
🍄 Change advanced	😚 Security-enabled wireless network (WPA2)	
settings	((p)) "	
	Unsecured wireless network 0000	
	((Q)) 1repair.net	
	Contract Con	
	((p)) 1repair	
	Disconnect	

4. A dialog box requesting the "wireless parameters" password" will be displayed, enter the password and click "Connect"

(**) Wireless Network Connection		
Network Tasks	Choose a wireless network	
🛃 Refresh network list	Click an item in the list below to connect to a wireless network in range or to get more information.	
Set up a wireless network for a home or small office	Wireless Network Connection	
Related Tasks	The network '12345' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.	
Learn about wireless networking	Type the key, and then click Connect. Network key:	
Change the order of preferred networks	Confirm network key:	
Change advanced settings		
	To connect to this network, click Connect. You might need to enter additional information.	
	Connect	

WI-FI Protected Setup (WPS)

A "WPS" button is provided on the wireless router that allows push-button security setup with other client Wi-Fi devices that support WPS. Some wireless adapters provide an external WPS button for setting up Wi-Fi Protected Setup. Some devices may have a menu selection instead of a push-button for WPS setup.

The following steps are used to set up Wi-Fi Protected Setup security:

- 1. Install the wireless adapter(s) and driver(s) to be used with the router
- 2. Enable the wireless adapter.
- 3. Enable router to use the WPS function.
- 4. Press and hold down the WPS button on the router about 3-5 seconds until the "WPS" light starts to blink, then release the button.
- 5. Press and hold down each wireless adapter "WPS" button for 3-5 seconds until the WPS status tray displays "Start to Search AP", then release the button.
- 6. The wireless router "WPS" status LED should light solid indicating that is has connected to the access point.

Factory Reset:

If you forget the login user name and password and cannot access the router configuration interface, you can reset the router to the factory default settings using the following procedure:

While the unit is powered on, use a toothpick or sharp object to hold down the recessed "RESET" button for 10 seconds, then release. Wait for the router to reboot. All router settings will be set tot the factory default values.

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Note: After a reset, the router's configuration parameters will be cleared and restored to the factory default setting.

To reduce exposure to radio frequency emissions, the wireless router should be kept at least 20 cm away from people.

Helpful Hints:

The computer or Wi-Fi device searches, but cannot connect to the wireless router.

- 1) Make sure you are connecting to the correct SSID.
- Make sure the wireless signal strength is adequate. If the signal strength is low, adjust the location of the wireless router or move the access point closer to it.
- 3) Try refreshing the wireless network list, then re-connect to the wireless network.
- 4) Follow the laptop or wireless network card manufacturer recommendations regarding the Wi-Fi parameter settings for connecting to a wireless LAN.
- 5) Re-boot the computer, or power-down and re-start wireless adapter.

If still cannot connect, please complete a factory reset of the router, then try connecting again.

The computer is unable to search for a Wi-Fi signal.

- 1) Please check whether the wireless function has been enabled on your computer or Wi-Fi device..
- 2) Please check whether the wireless adapter driver has been installed successfully, if necessary, re-install the driver.
- 3) Please check that the router's wireless function has been enabled and is allowing the "SSID" to be broadcast.
- 4) Please check that the wireless service on your computer is turned on. Example: (Windows XP) Right click on "my computer", then choose "manage", then choose "Services and Applications", then choose "services". Search the list for "wireless Zero configuration", select it then Confirm "wireless Zero configuration" is set to "Automatic".
- 5) Let Windows manage the wireless service. Example: (Windows XP) Right click on "My Network Places", then choose "wireless network connection", then select "let Windows to configure my wireless network settings" and click the "OK" button.

If you still cannot connect to the wireless network, try a second wireless adapter. If the second wireless adapter cannot connect, please complete a factory reset of the router, then try connecting again.

FCC ID: Y2PWR300NQ

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

In order to comply with RF exposure requirements, a minimum distance of 20 cm must be maintained between the antenna and all persons