

Wireless Router Setup Manual



NETGEAR®

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Getting to Know Your Wireless Router

Congratulations on your purchase of a NETGEAR® high-speed wireless router, the Wireless Router Model WPN824v3.

Before you begin installing your router, check the package contents (see [Unpacking Your New Router](#)). Become familiar with the front and back panels of your router—especially the status lights—and the important information on the router label (see [“Bottom Label” on page 5](#)).

Unpacking Your New Router

The product package should contain the following items:

- The wireless router
- A snap-on stand for your wireless router
- An AC power adapter (varies by region)
- A yellow Ethernet cable
- The *Resource CD*, which includes:
 - The Smart Wizard Installation Assistant (Autorun.exe)
 - A PDF version of this manual
 - A link to the online *User Manual*
- Warranty and Support Information cards

If any of the parts are incorrect, missing, or damaged, contact your NETGEAR dealer. Keep the carton, including the original packing materials, in case you need to return the product for repair.

To prepare your router for installation:

1. Carefully peel off the protective film covering the sides of your router.

2. Set up your wireless router by inserting the router into the stand supplied with your router.



Figure 1

3. Place your router in an area suitable for installation (near an AC power outlet and accessible to the Ethernet cables for your wired computers).

Router Front Panel

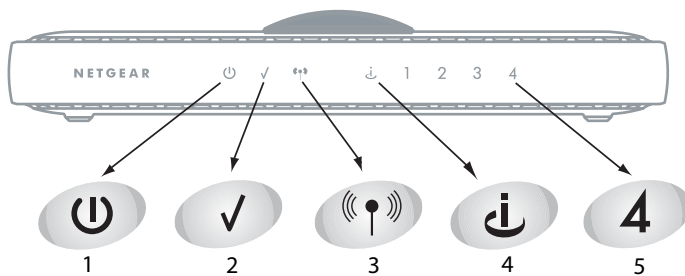


Figure 2

You can use the status lights on the front of the wireless router to verify various conditions.

Table 1-1. Status Light Descriptions

Item	Function	Activity	Description
1	Power	On green solid Off	Power is supplied to the router. Power is not supplied to the router.
2	Test	On Off Slow blinking	The unit is performing the power-on self-test diagnostic. The unit successfully completed the power-on self-test diagnostic. The reset button is being pushed, restoring the factory default settings.
3	Wireless	On Off Blinking	The wireless interface is enabled. The wireless interface is turned off. Data is being communicated over the wireless network.
4	Internet	Amber off Amber on Amber blinking Green off On Blinking	No Ethernet cable is connected to the modem. The Ethernet cable connection to the modem is good. Packets are being transmitted and received from a modem or other network device, but no IP address has been received. No IP address has been received. IP address has been received. IP address received and data is being transmitted and received.
5	LAN	Green Amber	The LAN port has detected a 100 Mbps link with an attached device. The LAN port has detected a 10 Mbps link with an attached device.

Router Back Panel

The rear panel of the WPN824v3 router contains the items in the list that follows the figure.

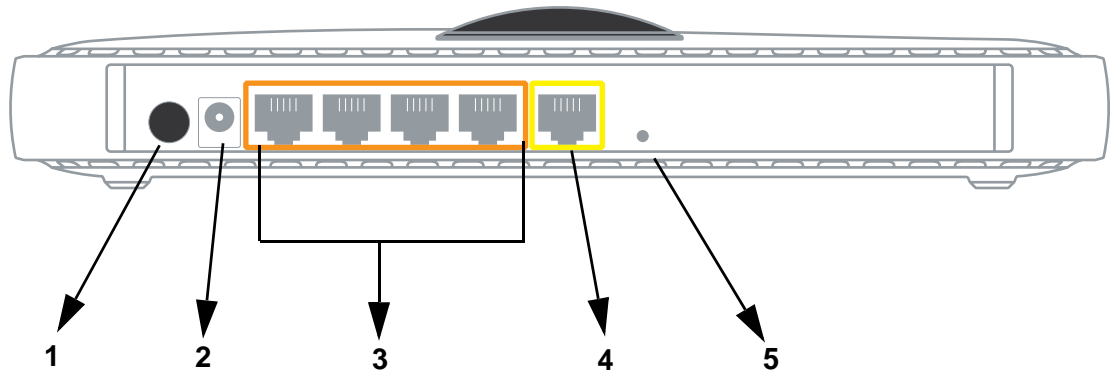


Figure 3

The back of the wireless router includes:

1. On/off switch for the antenna dome light
2. AC power adapter outlet
3. Four local (LAN) 10/100 Mbps Ethernet ports for connecting the router to the local computers
4. Internet (WAN) Ethernet port for connecting the router to a cable or DSL modem
5. Factory default reset button

Related Documents

This appendix provides links to reference documents you can use to gain a more complete understanding of the technologies used in your NETGEAR product.

Document	Link
TCP/IP Networking Basics	http://documentation.netgear.com/reference/enu/tcpip/index.htm
Preparing Your Network	http://documentation.netgear.com/reference/enu/wsdhcp/index.htm
Glossary	http://documentation.netgear.com/reference/enu/glossary/index.htm

Registration and Certifications

Product Registration, Support, and Documentation

Register your product at <http://www.NETGEAR.com/register>. You must register before you can use our telephone support service. Product updates and Web support are always available by going to: <http://www.netgear.com/support>.

Setup documentation is available on the CD, on the support website, and on the documentation website. When the wireless router is connected to the Internet, click the KnowledgeBase link to view support information or click the Documentation link to view the online *User Manual* for this wireless router.

Maximum Wireless Signal Rate Derived from IEEE Standard 802.11 Specifications

Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice

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.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20 cm between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter

Canada Industry (IC)

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.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding.