

NETGEAR®

Installation Guide

NETGEAR WG103 ProSafe® 802.11g Wireless Access Point

Start Here

Please refer to the Reference Manual on your *Resource CD* for instructions about advanced configuration options.

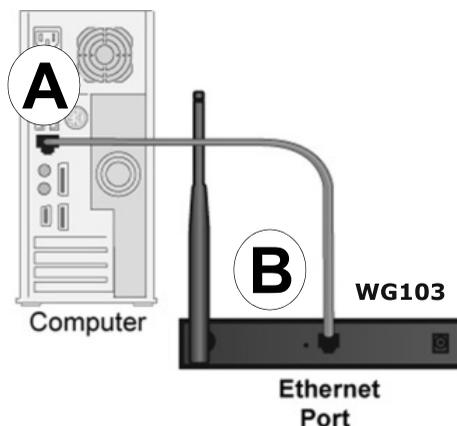
Estimated Installation Time: 30 minutes.

Tip: Before mounting the WG103 in a high location, first set up and test the WG103 to verify wireless network connectivity.

First, Set Up the Wireless Access Point

1. Connect the WG103 to the Computer

- Unpack the box and verify the contents.
- Prepare a PC with an Ethernet adapter. If this PC is already part of your network, record its TCP/IP configuration settings. Configure the PC with a static IP address of 192.168.0.210 and 255.255.255.0 as the subnet mask.
- Connect an Ethernet cable from the WG103 to the PC (point A in the illustration).
- Securely insert the other end of the cable into the WG103 Ethernet port (point B in the illustration).



- Turn on your computer, connect the power adapter to the WG103 and verify the following:
 - Power:** The power light should be lit. If the power light is not lit, check the connections and check to see if the power outlet is controlled by a wall switch that is turned off.
 - Test:** The test light should be blinking when the WG103 is first turned on.
 - LAN:** The LAN light should be lit (amber for a 10 Mbps connection and green for a 100 Mbps connection). If not, make sure the Ethernet cable is securely attached at both ends.

2. Configure LAN and Wireless Access

- Configure the WG103 Ethernet port for LAN access.
 - Connect to the WG103 by opening your browser and entering `http://192.168.0.229` in the address field.



- When prompted, enter **admin** for the user name and **password** for the password, both in lower case letters.
 - Click the Basic Settings link and configure the IP Settings for your network.
- Configure the wireless interface for wireless access. See the online help or the Reference Manual for full instructions.
 - Test wireless connectivity using a PC with a wireless adapter configured according to the wireless settings you just set in the WG103 to establish a wireless connection to the WG103.

Now that you have finished the setup steps, you are ready to deploy the WG103 in your network. If needed, you can now reconfigure the PC you used in step 1 back to its original TCP/IP settings.

Then, Deploy the Wireless Access Point

- Disconnect the WG103 and position it where you will deploy it. The best location is elevated, such as wall mounted or on the top of a cubicle, at the center of your wireless coverage area, and within line of sight of all the mobile devices.
- Position the antenna. Vertical positioning provides best side-to-side coverage. Horizontal positioning provides best top-to-bottom coverage.
- Connect an Ethernet cable from your WG103 to a LAN port on your router, switch, or hub.
- Connect the power adapter to the wireless access point and plug the power adapter in to a power outlet. The Power and LAN lights should light up.

Tip: The WG103 supports Power Over Ethernet (PoE). If you have a switch that provides PoE, you will not need to use the power adapter to power the WG103. This can be especially convenient when the WG103 is installed in a high location far away from a power outlet.

Now, Verify Wireless Connectivity

Using a computer with an 802.11g or 802.11b wireless adapter, verify connectivity by using a browser such as Internet Explorer or Mozilla Firefox to connect to the Internet, or check for file and printer access on your network. In order to connect to the Internet, your network must include a router that provides Internet access.

Note: If you cannot connect, see to Troubleshooting Tips in this guide or the Reference Manual on the *Resource CD* for the ProSafe® 802.11g Wireless Access Point.

Troubleshooting Tips

Here are some tips for correcting simple problems you may have.

No lights are lit on the wireless access point.

The wireless access point has no power:

- Make sure the power cord is connected to the access point and plugged in to a working power outlet or power strip.
- Make sure you are using the correct NETGEAR power adapter supplied with your access point.

The Ethernet light is not lit.

There is a hardware connection problem:

- Make sure the cable connectors are securely plugged in at the access point and the network device (hub, switch, or router).
- Make sure the connected device is turned on.

The WLAN light does not blink during wireless activity.

The wireless access point's antennas are not working:

- If the Wireless LAN activity light stays off while the WG103 is transmitting or receiving data, disconnect the adapter from its power source and then plug it in again.
- Make sure the antennas are tightly connected to the WG103.
- Contact NETGEAR if the Wireless LAN light remains off while the WG103 is transmitting or receiving data.

You cannot configure the wireless access point from a browser.

Check these items:

- The WG103 is properly installed, LAN connections are OK, and it is powered on. Check that the LAN port LED is green to verify that the Ethernet connection is OK.
- If you are using the NetBIOS name of the WG103 to connect, ensure that your PC and the WG103 are on the same network segment or that there is a WINS server on your network.
- If your PC uses a fixed (static) IP address, ensure that it is using an IP address in the range of the WG103. The WG103 default IP address is 192.168.0.229 and the default subnet mask is 255.255.255.0. The WG103 default setting is for a static IP address.

- If the network where you are connecting it is using DHCP, configure it accordingly. See the Reference Manual on the *Resource CD* for the ProSafe® 802.11g Wireless Access Point for more details.

You cannot access the Internet or the LAN with a wireless-capable computer.

There is a configuration problem. Check these items:

- You may not have restarted the computer with the wireless adapter to have TCP/IP changes take effect. Restart the computer.
- The computer with the wireless adapter may not have the correct TCP/IP settings to communicate with the network. Restart the computer and check that TCP/IP is set up properly for that network. The usual setting for Windows on the Network Properties is set to "Obtain an IP address automatically."
- The WG103's default values may not work with your network. Check the WG103 default configuration against the configuration of other devices in your network.
- For full instructions on changing the access point's default values, see the Reference Manual on the *Resource CD* for the ProSafe® 802.11g Wireless Access Point.

Technical Support

Thank you for selecting NETGEAR products.

After completing the Smart Wizard configuration assistant, locate the serial number on the bottom label of your product, and use it to register your product at <http://www.NETGEAR.com/register>.

Registration is required before you can use our telephone support service. Registration via our website is strongly recommended. Go to <http://kbserver.netgear.com> for product updates and Web support. For Warranty and Regional Customer Support information, see the *Resource CD* that came with your product.



This symbol was placed in accordance with the European Union Directive 2002/96 on the Waste Electrical and Electronic Equipment (the WEEE Directive). If disposed of within the European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive.

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