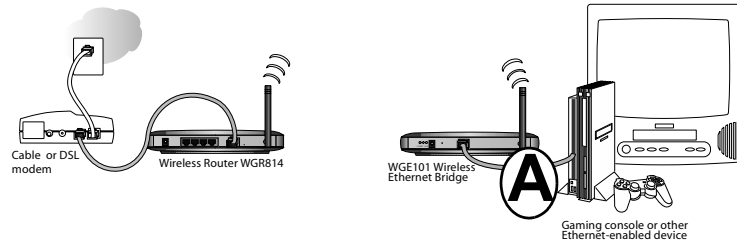# NETGEAR®

802.11g Wireless Ethernet Bridge WGE101

Installation Guide

Follow the quick steps below for your scenario.

Unpack the box, verify the contents, and follow the instructions below. You can also consult the Reference Manual on the NETGEAR, Inc. web site at *www.netgear.com/docs/wge101*.

Internet Gaming Plug-and-Go Scenario 1

Cable or DSL modem

Wireless Router WGR814

WGE101 Wireless Ethernet Bridge

A

Gaming console or other Ethernet-enabled device

What you need.

• Broadband Internet access through a router with an 802.11b or 802.11g wireless access point (built in to the router or separate) without any security features enabled.

   Note: If you enabled security features (like WEP, SSID broadcast off, MAC filtering, etc.) you need to follow the instructions in scenario 3 below.

• A WGE101 802.11g Wireless Ethernet Bridge.

• A network-enabled game console.

What you do.

1. Connect the Ethernet cable from your WGE101 Wireless Bridge to the Ethernet port (**A**) in the game console.

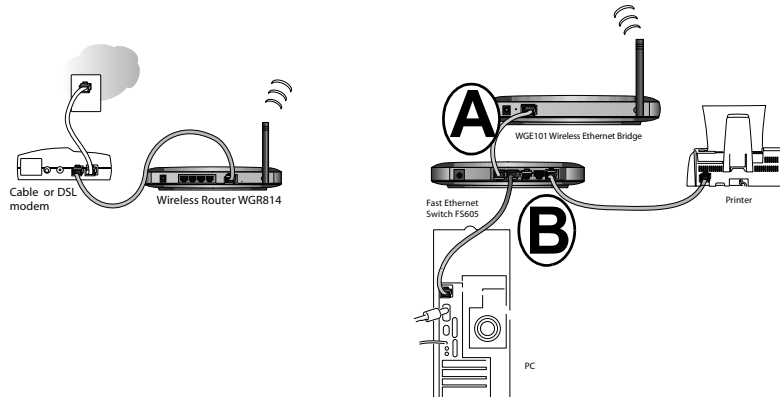2. Connect the power adapter to the WGE101 and verify the following:

   ⏻ The power light goes on.

   The Ethernet light is lit when connected to a powered on network-enabled game console.

   The wireless light goes on (blinking indicates attempting to connect; solid indicated connection established).

3. Enjoy your Internet gaming!

Share the Wireless Plug-and-Go Scenario 2

Cable or DSL modem

Wireless Router WGR814

A WGE101 Wireless Ethernet Bridge

Fast Ethernet Switch FS605

B

Printer

PC

What you need.

• Broadband Internet access through a router with an 802.11b or 802.11g wireless access point (built in to the router or separate) without any security features enabled.

   Note: If you enabled security features (like WEP, SSID broadcast off, MAC filtering, etc.), you need to follow the instructions in scenario 3 below.

• A WGE101 802.11g Wireless Ethernet Bridge.

• A hub or an Ethernet switch such as the NETGEAR FS605.

• PCs or printers you want to connect to your network.

What you do.

1. Connect the Ethernet cable from your WGE101 Wireless Bridge to an Ethernet port (**A**) in the switch.

2. Connect Ethernet cables from your PCs, printers, or notebook computers to the switch (**B**).

3. Connect the power adapter to the WGE101 and verify the following:

   ⏻ The power light goes on.

   The Ethernet light is lit when connected to a powered on network-enabled game console.
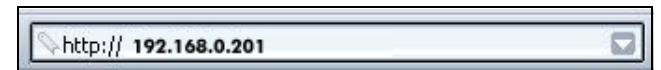
   The wireless light goes on (blinking indicates attempting to connect; solid indicated connection established).

4. Turn on your PCs and printer, and enjoy sharing your printer and Internet access!

   Note: If you will use a network-enabled game console in this scenario, in order for it to communicate with other game consoles on the Internet, you must follow this sequence: 1) turn on the WGE101 first; 2) next, turn on the game console; 3) last, turn on any other devices attached to the WGE101.

Expand Secure Wireless Access Scenario 3

1. Configure the WGE101 Ethernet port for LAN access.

   – Configure a PC with a static IP address of 192.168.0.220 and 255.255.255.0 for the Subnet Mask.

   – Connect the PC to the Ethernet port of the WGE101.

   – Connect to the WGE101 by opening your browser and entering *http://192.168.0.201* in the address field.

http:// 192.168.0.201

- When prompted, enter **admin** for the user name and **password** for the password, both in lower case letters.
- Click "IP Settings" to configure the IP Settings for your network. For full instructions, see the online help or the manual on the web site at *www.netgear.com/docs/wge101*.

2. Configure the wireless interface with the security settings of your wireless network.

3. Now, you are ready to deploy the WGE101 in secure wireless networks with game consoles, PCs, notebooks, or printers as illustrated in scenarios 1 and 2. If needed, you can reconfigure the PC you used in step 1 back to its original TCP/IP settings.

Quick Troubleshooting Tips

If you have trouble setting up your WGE101, check the tips below. You can also consult more extensive troubleshooting procedures in the Reference Manual on the NETGEAR, Inc. web site at *www.netgear.com/docs/wge101*. Be sure to observe the range and placement guidelines published in the Reference Manual.

The wireless light is always blinking.

The wireless bridge has not connected to a wireless network.

- Make sure the WGE101 is within range of the wireless network.
- Make sure the wireless network security settings and the WGE101 security settings match.

The wireless light is solid but I cannot connect to the Internet.

There is a network configuration problem.

- Make sure the wireless network security settings and the WGE101 security settings match.
- Make sure the PC, bridge, and router IP settings are correct.

M-10131-01

I cannot configure the WGE101 from a browser.

You did not specify the correct wireless bridge IP address, or there could be a system problem.

- Remove and reconnect the power to the wireless bridge.
- Make sure your computer and the wireless bridge are in the same subnet. Both IP addresses should start with the same numbers. For example, 192.168.0.x. The subnet masks must match. For example, both should be 255.255.255.0.
- Enter the correct IP address in the address field of the browser. 192.168.0.201 is the WGE101 default IP address.

Technical Support

PLEASE REFER TO THE SUPPORT INFORMATION CARD THAT SHIPPED WITH YOUR PRODUCT.
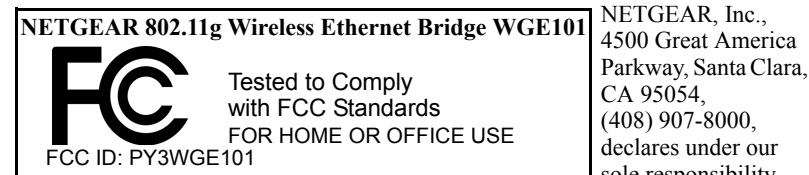
By registering your product at *www.NETGEAR.com/register*, we can provide you with timely expert technical support.

NETGEAR, INC. Support Information

Phone: 1-888-NETGEAR (For US & Canada only) - 24 x7 phone support. See Support Information card for other countries.

E-mail: support@NETGEAR.com - 24 x 7 online support.