

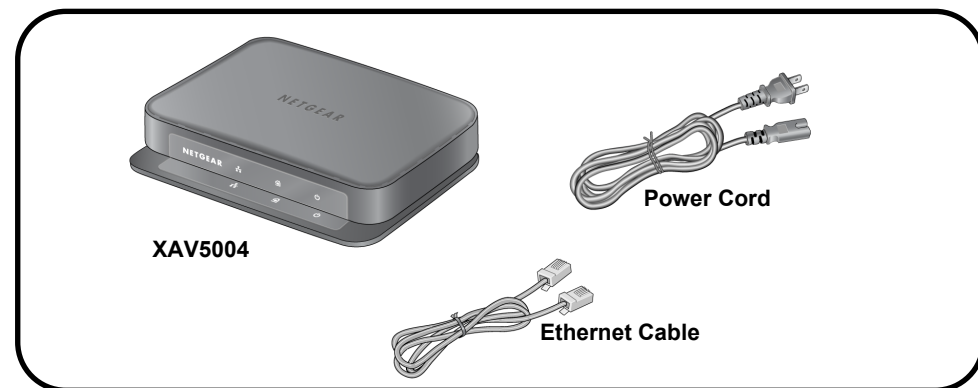


Installation Guide

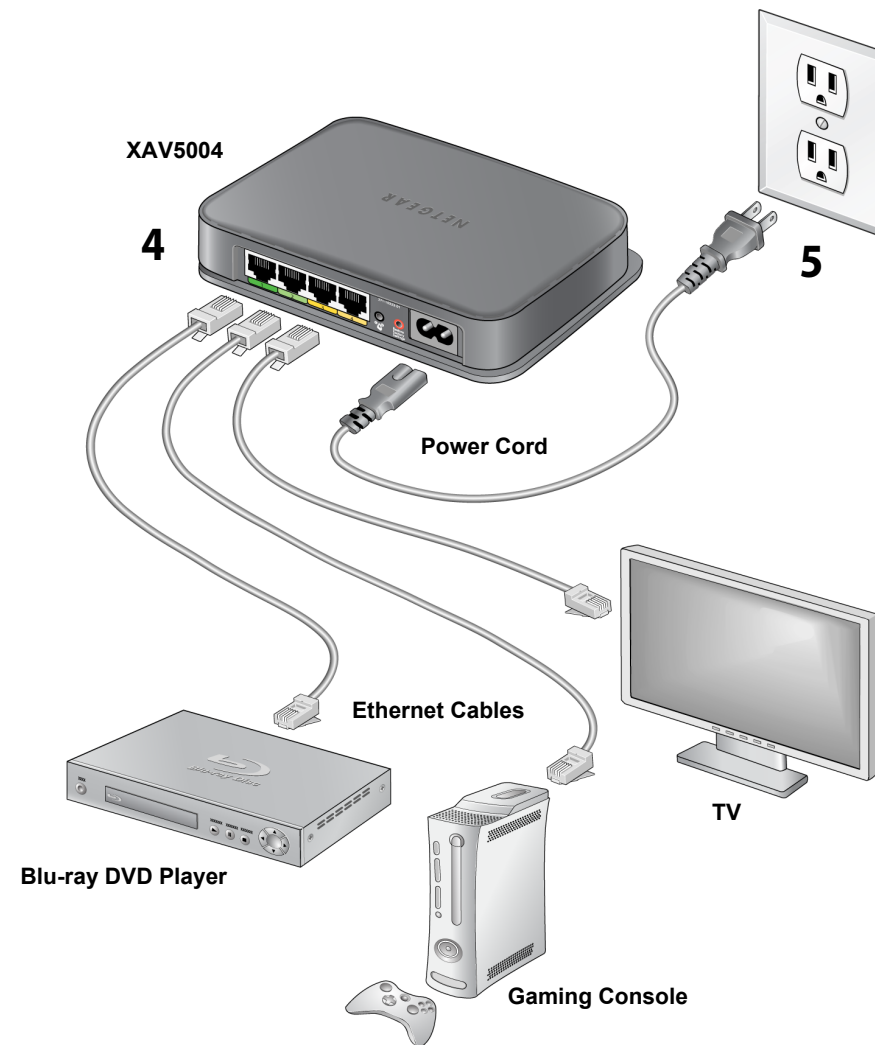
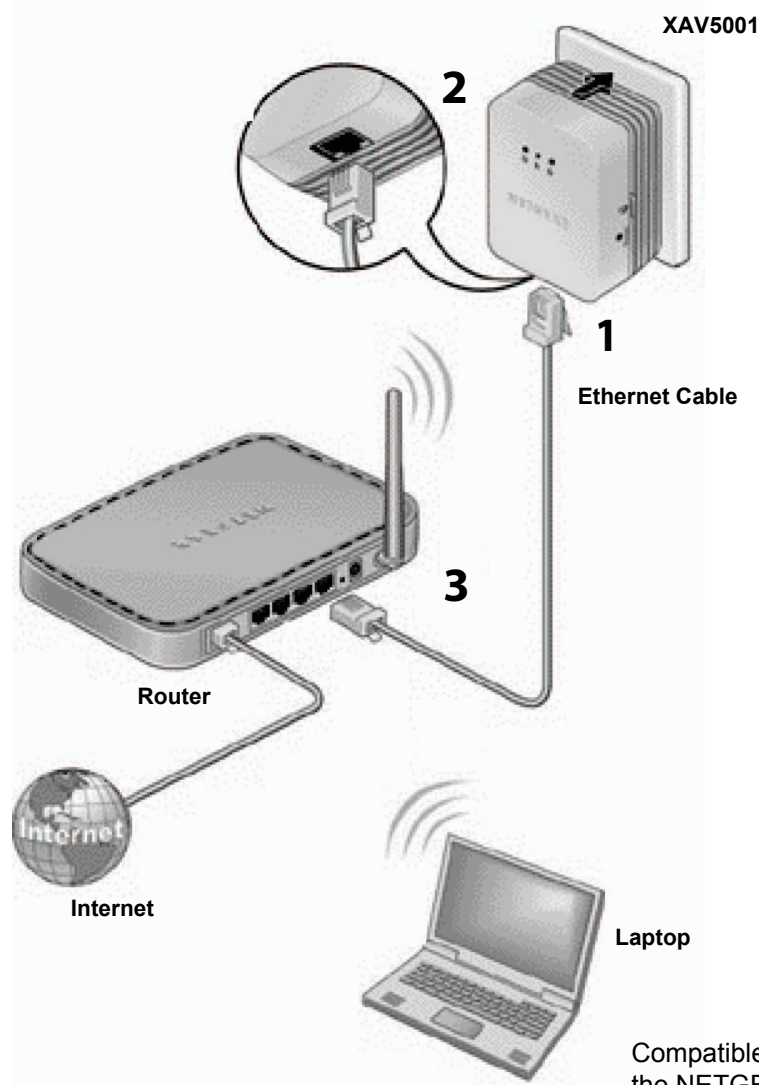
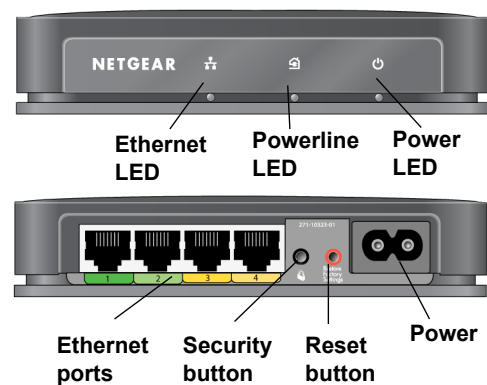
Connect with Innovation™

XAV5004 Powerline AV Adapter with Gigabit Ethernet Switch

Package Contents



Powerline AV Adapter Front and Back Views



Compatible Powerline and HomePlug AV certified devices include the NETGEAR XAV101, XAV2501, XAVN2001, XAV5001, XAV5004, and XAV5501.

For a complete list of AV certified devices, go to http://www.homeplug.org/certified_products

LED Descriptions

Ethernet 	• Solid. The Ethernet port is linked. • Off. There is no Ethernet connection.
Powerline 	• Solid. The adapter is connected to a Powerline network. • Off. The adapter has not found any other compatible Powerline devices using the same encryption key. The Pick A Plug feature lets you pick the electrical outlet with the strongest link rate, indicated by the color displayed by the LED: Green: Link rate > 80 Mbps (Best) Amber: Link rate > 50 and < 80 Mbps (Better) Red: Link rate < 50 Mbps (Good)
Power 	• Solid blue: The electrical power is on. • Blinking blue: the adapter is in the process of resetting or security setup. (note: no color for power saving mode) • Solid Amber: The device is in power saving mode. • Off. There is no electrical power.
Factory Reset	Press the Factory Reset button for 1 second, then release to return the Powerline adapter to its factory default settings.
Security Button	After you plug in your new AV adapter, press the security button for 2 seconds, then press the security button on one of the other AV adapters in your existing network for 2 seconds. Both buttons must be pressed within 2 minutes. Note: The Security button does not work in power saving mode. See “Power LED is amber” in the Troubleshooting Tips table.

WARNING!! Do not press the Security button on the Powerline adapter until installation is complete and the adapters are communicating with each other (indicated by the blinking Powerline LED). Pressing this button too soon can temporarily disable Powerline communication. If this should occur, use the Factory Reset button to return the Powerline adapter to its factory default settings.



November 2010

Ethernet Port Traffic Priority (QoS)

When connecting devices to your Ethernet ports, be aware of the Quality of Service (QoS) priorities assigned for each port:

- **Port 1** (dark green) has HIGH priority, and gives uninterrupted service to the connected device. Devices you would connect to Port 1 include media servers, storage devices, gaming consoles, video players, or internet telephones.
- **Port 2** (light green) has MEDIUM priority. You can connect devices such as gaming consoles, video players, or internet telephones to this port.
- **Ports 3 and 4** (yellow) have LOW priority, and are best for networking data devices, such as printers.

Troubleshooting Tips

Power LED is off.	Make sure that power is supplied to the electrical outlet, and that the Powerline devices are not plugged into an extension cord, power strip, or surge protector.
Power LED is amber	Power saving mode occurs when the Ethernet LED is off. This can occur when: • the Ethernet cable is unplugged. • the device connected through the Ethernet cable is turned off. • the adapter is idle for 10 minutes. It returns to normal mode within 2 seconds once the Ethernet link is up.
Powerline LED is off.	• Make sure that the Powerline devices are plugged into outlets with power. • Move the Powerline device to a closer location. • If you have set network security, make sure that all Powerline devices are using the same encryption key. • Reset the devices to factory default settings.
Powerline LED is red.	The color of the Powerline LED indicates the speed of the Powerline link. If the LED is red, the speed is less than 50 Mbps. Switch to another electrical outlet until the LED displays solid green.
Ethernet LED is off.	• Make sure that the Ethernet cables are working and securely plugged into the devices. • Reset the devices to factory default settings.

Technical Support

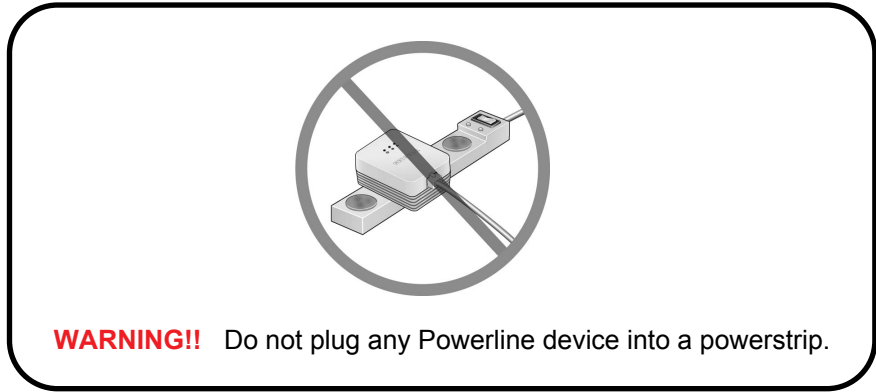
Thank you for selecting NETGEAR products.

After installing your device, locate the serial number on the label of your product and use it to register your product at <http://www.NETGEAR.com/register>. Registration is required before you can use the telephone support service. Registration via our website is strongly recommended.

Go to <http://kbserver.netgear.com> for product updates and Web support.

For additional information about setting up, configuring, and using your Powerline AV Adapter, see the *User Manual*. You can also download the standard Powerline AV Utility, and other documentation from the NETGEAR web site at <http://www.netgear.com>.

For complete DoC please visit the NETGEAR EU Declarations of Conformity website at: http://kb.netgear.com/app/answers/detail/a_id/11621/



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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