

NETGEAR®

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Powerline AV+ 200 Nano Dual-Port XAV2602 Installation Guide



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DO NOT stack equipment, or place equipment in tight spaces or in drawers. Be sure your equipment is surrounded by at least 2 in. of air space.

Technical Support

Thank you for choosing NETGEAR. To register your product, get the latest product updates, or get support online, visit us at <http://support.netgear.com>.

Phone (US & Canada only): 1-888-NETGEAR

Phone (Other Countries):

See http://support.netgear.com/app/answers/detail/a_id/984.

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Package Contents

Products sold in some locations include a *Resource CD*.



**Powerline AV+ 200
(North America)**



Ethernet cable

Your adapter might look like one of these:



UK



France



Germany/Europe

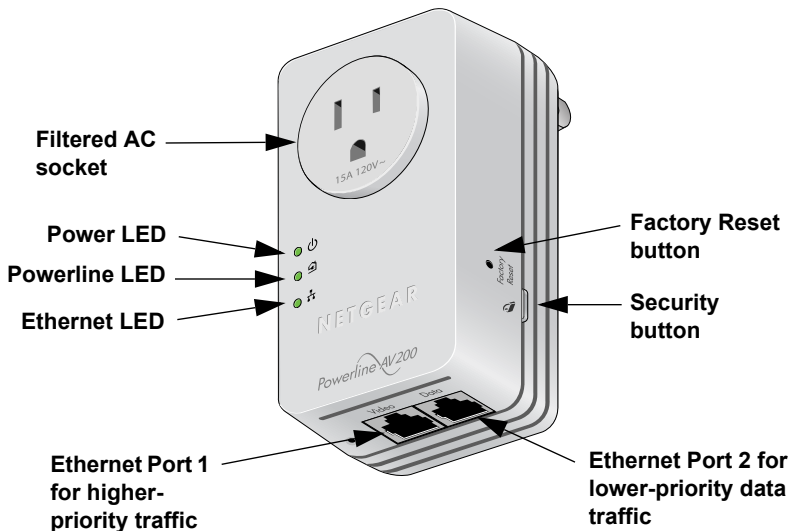


Australia






Switzerland

Hardware Features






LEDs

The LEDs indicate the status of your Powerline adapter.

- When you plug in the adapter, the Power LED  lights up and turns green.
- The adapter is not active when no Ethernet link has occurred for more than 10 minutes. The adapter enters power saving mode, and the Power LED turns amber .
- The Ethernet LED  lights up when you connect a powered-on Ethernet device to at least one Ethernet port.
- The Powerline LED turns on when the adapter detects at least one other compatible Powerline device.

The Pick A Plug feature lets you pick the electrical outlet with the strongest link rate, indicated by the color displayed by the Powerline LED:

-  Green: Link rate > 80 Mbps (Best)
-  Amber: Link rate > 50 and < 80 Mbps (Better)
-  Red: Link rate < 50 Mbps (Good)

Compatible NETGEAR Powerline Devices

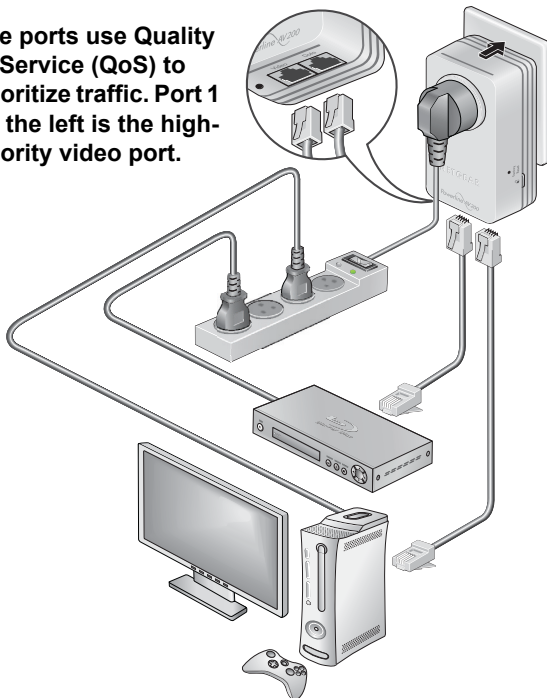
To create a Powerline network you need at least two compatible Powerline devices.

Your Powerline adapter can share a Powerline network with these compatible NETGEAR devices: XAV101, XAV1004, XAV2001, XAV2101, XAV1101, XAV1301, XAV1601, XAV2501, XAV5001, XAV5501, XAV5601, XAV5004, and XAVN2001.

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

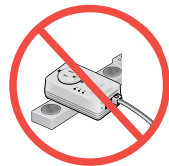
Install Your Powerline Adapter

The ports use Quality of Service (QoS) to prioritize traffic. Port 1 on the left is the high-priority video port.





The filtered AC socket removes some electrical noise. Plugging a nearby device into the filtered AC socket improves performance.

You can plug a power strip into the filtered outlet, but do not plug your Powerline adapter into a power strip.



You can set up a new Powerline network with your XAV2602 and a compatible Powerline device, or you can add your XAV2602 to an existing Powerline network.

Set up a new Powerline network:

1. Obtain at least one more Powerline device that is compatible with the XAV2602.
 2. Plug the Powerline AV+ 200-compatible adapter into an electrical outlet, and plug the XAV2602 adapter into another electrical outlet.
 - The Power LED  on the XAV2602 lights up.
 - If both of the devices you connected are powered on and establish communication, the Powerline LED  on the XAV2602 lights up.
 3. If you have more than one compatible adapter, plug them into other electrical outlets.
 4. User Ethernet cables (one is included in the package) to connect your equipment to the Ethernet ports on the adapter.
 - Port 1 is for high priority traffic used by devices such as gaming consoles.
 - Port 2 is for devices with lower priority traffic.
- You can use both ports or only one port.

The Powerline LED turns on for each Powerline adapter when they detect each other. The devices automatically form a Powerline network.

Add the adapter to a secure Powerline network:

Your Powerline network is already secured if you used the Security button or the Powerline Utility to set up security.

1. Make sure that the Powerline devices you already use are compatible to the XAV2602. Plug the XAV2602 into another electrical outlet.
2. Press the **Security** button on one of your existing Powerline adapters for 2 seconds and release the button. Then within 2 minutes, press the **Security** button on the XAV2602 for 2 seconds and release the button. The Power LED on the XAV2602 starts to blink as security is setting up.

The Powerline LED turns on for each Powerline adapter when they detect each other. They automatically form a Powerline network.

3. Use Ethernet cables (one is included in the package) to connect your equipment to the Ethernet ports on the adapter.
 - Port 1 is for high-priority traffic used by devices such as gaming consoles.
 - Port 2 is for devices with lower-priority traffic.

You can use both ports or only one port.

Add the adapter to a Powerline network that has not been secured:

1. Check to make sure that the Powerline devices you already use are compatible.
2. Plug the XAV2602 adapter into another electrical outlet. The XAV2602 will start to communicate with other Powerline devices (indicated by the linking Powerline LED).
3. Use Ethernet cables (one is included in the package) to connect your equipment to the Ethernet ports on the adapter.
 - Port 1 is for high-priority traffic used by devices such as gaming consoles.
 - Port 2 is for devices with lower-priority traffic.

You can use both ports or only one port.

4. NETGEAR recommends that you secure your Powerline network to protect your personal information and media from unwanted access. If you do not set up security on your network, anyone nearby with a Powerline network can potentially use his or her connection to gain access to your network and to information you send over the Internet. This is especially relevant in settings such as apartment buildings, office buildings, dorm rooms, and other densely populated areas.

Secure Your Powerline Network

A Powerline network forms when at least two compatible Powerline devices communicate. After the Powerline network is up and running, you can use the Security buttons on the adapters to add encryption to your Powerline network.

CAUTION: *Do not press the **Security** button until each adapter has powered up and its Power LED is solid green. Pressing this button too soon can temporarily disable Powerline communication. If this occurs, use the Factory Reset button to return the Powerline adapter to its factory default settings.*

To secure your Powerline network:

1. Make sure the Power LED is solid green. If it is amber, connect a device to one of the Ethernet ports so the adapter exits power saving mode.
2. On the first Powerline adapter, press its **Security** button for 2 seconds and release the button. The Power LED blinks green while the adapter is setting up security.
3. Within 2 minutes, go to the next Powerline adapter and press its **Security** button for 2 seconds and release the button.

After security is set, the Power LED turns solid green. The adapter can communicate over the network. The Powerline LED is blinking or solid.

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

<https://my.netgear.com>.

Registration is required before you can use the telephone support service. Registration through the NETGEAR website is strongly recommended.

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

For additional information about setting up, configuring, and using your Powerline AV+ 200 Adapter, see the *User Manual*.

For complete DoC please visit the NETGEAR EU Declarations of Conformity website at:

http://support.netgear.com/app/answers/detail/a_id/11621/

For GNU General Public License (GPL) related information, please visit the NETGEAR support site at:

http://support.netgear.com/app/answers/detail/a_id/2649

Safety Information

- AC input:100-125V~, 0.2A max in North America and 200-250V~, 0.2A max in other regions, for the XAV2602.
- Operating temperature: 0C to 40C
- The socket-outlet shall be installed near the equipment and be easily accessible.
- Powerline adapter ratings (maximum load):
EU: 16A 250V ~ FR: 16A 250V ~
UK: 13A 250V ~ AU: 10A 250V ~
NA: 15A 125V ~ Swiss: 10A 250V ~
- Only power cords are allowed to be inserted into the filtered AC outlet; no other equipment with a direct plug-in is allowed. The power cord needs to be a maximum of 1 m long and a minimum of 0.75 mm square of cross-sectional area.
- Do not plug devices into the Powerline adapter filtered AC outlet that exceed the product ratings. The output voltage of the filtered AC outlet is the same as the power outlet that the Powerline adapter is plugged into. To help avoid damaging your system, be sure that the attached devices are electrically rated to operate with the power available in your location.

- If the input AC voltage is less than 125Vac, the device plugged into the filtered AC socket of the Powerline adapter might not perform as well as expected.
- **DO NOT PLUG MAJOR HOME APPLIANCES** into the filtered AC socket or into an attached power strip. The device is not intended to be used with home appliances such as air conditioners, power tools, space heaters, fans, hair dryers, ovens, or refrigerators.
- Check the electrical current for any appliance used with the device, and do not exceed home and product outlet ratings and electrical requirements.

Compliance



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.

NETGEAR, Inc.
350 East Plumeria Drive
San Jose, CA 95134, USA



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