

Netgear PowerLine Range Extender Installation Guide

The XWNB5602 is Alarm.com's latest solution for installing cameras in a home with WiFi dead spots. Designed in conjunction with Netgear, this system extends the home's WiFi network using existing power lines, so there is no need to run wires or do any extra configuration. Simply plug the PassThru adapter into an open outlet near the home's router, and plug the WiFi Access Point into an outlet near the camera. Wireless camera set-up is a breeze using the WPS button on the WiFi Access Point.

Package contents

- Powerline 500 PassThru Adapter (XAV5401)
- Powerline 500 WiFi Access Point (XWN5001)
- Ethernet Cables (2)



Powerline 500
PassThru Adapter
(XAV5401)



Ethernet cables (2)



Powerline 500
WiFi Access Point
(XWN5001)

Do not plug your access point directly into a power strip or surge protector. These devices limit your access points' ability to communicate with one another.





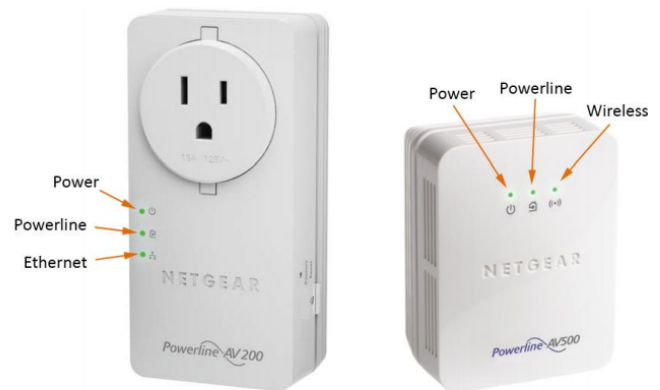
Power LED

- Solid Green. The device is powered on.
- Blinking Green. The device is creating a protected Powerline loop.



Ethernet LED.

- Solid Green. The PassThru Adapter is connected to the network using Ethernet.
- Off. The device is not connected using Ethernet.



Wireless LED

- Solid Blue. WiFi is active.
- Blinking Blue. The WiFi adapter is attempting to create a protected WiFi connection.



Powerline LED.

- This LED indicates the strength of the connection between the Powerline devices:



Green.

A fast, strong connection is detected between the access points.



Amber.

A medium connection is detected between the Powerline devices. Try moving the Powerline device to a different AC outlet.



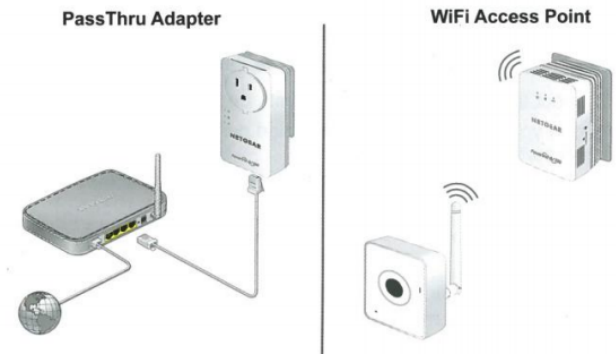
Red.

A weak, slow, or no connection is detected between the access points. Try moving the Powerline device to a different AC outlet.



Set up

1. Plug the PassThru Adapter into an AC outlet near the home's Ethernet router.
 - Do not plug the PassThru Adapter into a power strip or surge protector.
 - Do not plug the PassThru Adapter into a switch-controlled outlet.
2. Connect an Ethernet cable between the home's Ethernet router and the PassThru Adapter.
 - After a few minutes, the Network LED on the PassThru Adapter will become green.
3. Plug the WiFi Access Point into an AC outlet near the installation location for the camera.
 - Do not plug the WiFi Access Point into a power strip or surge protector.
 - Do not plug the WiFi Access Point into a switch-controlled outlet.



Pairing the Powerline devices

1. Verify both of the Powerline devices are plugged into AC wall outlets.
 - Verify that the Power and Powerline LEDs on each device are lit solid green.
2. Press the **Security** button on one of the Powerline devices for two seconds.
 - The Power and Wireless/Ethernet LEDs begin blinking after you release the button.
 - The Powerline device automatically creates a new, randomly generated encryption key that all other Powerline devices on the network will use.
3. Within two minutes, press the **Security** button on the other Powerline device for two seconds. You must press both security buttons within two minutes.
 - The Power and Wireless/Ethernet LEDs begin blinking after you release the button.
 - This process allows the second Powerline device to use the same private encryption key as the first device so that they can communicate.
4. When the Power LEDs stop blinking and the Powerline LEDs are lit solid green, the two devices can communicate over the Powerline network in a secure way.
 - An amber or red Powerline LED indicates a poor connection between Powerline devices. Try moving the Powerline devices to different AC outlets.



Adding a video camera

1. Verify that the Power and Powerline LEDs on both Powerline devices are lit solid green.
2. Press the **Security** button on the WiFi Access Point for two seconds.
 - The Power and Wireless LEDs begin blinking after you release the button.
3. Press the **WPS** button on your camera for two seconds within two minutes.
 - The LED on your camera will begin blinking blue.
 - You must press both the security button on the access point and the WPS button on the camera within two minutes.
4. A connection is formed.
 - The wireless LED on the WiFi adapter will become solid blue
 - The LED on the camera will begin blinking green
 - Within five minutes the camera establishes an internet connection and the LED will become solid green



Safety Information

- For national approvals (approval schemes other than CB), relevant national standards for plug, socket-outlet, and direct plug-in units (for example, US) shall also be consulted while testing and approving such products according to the national standards.
- AC input rating: 100-125 VAC, 12A ? AC output rating 125 VAC, 11.8A (maximum)
- Operating Temperature: 0-40°C
- Check the electrical current for any device plugged into the filtered AC socket. Do not exceed home and product outlet ratings and electrical requirements.
- The socket-outlet shall be installed near the equipment and be easily accessible.
- Only power cords are allowed to be inserted into the filtered AC socket; no other equipment with a direct plug-in is allowed. Power cords need to be a maximum of 1m long and have a minimum of 0.75 mm² of cross-sectional area.
- Do not plug devices into the XAV5401 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 XAV5401 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 100 V AC, the device plugged into the filtered AC socket of the XAV5401 might not perform as well as expected.
- **DO NOT PLUG MAJOR HOME APPLIANCES** into the filtered AC socket

Notes & Troubleshooting

- These Powerline devices are specifically designed for use with Alarm.com video cameras. Use with other devices is not recommended.
- Compatible with all WPS enabled Alarm.com cameras. To see if a camera is WPS enabled, find the camera's data sheet in [Installation and Troubleshooting](#).
- Amber or Red Powerline LEDs indicate that the devices do not have a sufficient Powerline connection for streaming video. Try moving the Powerline device to a different AC outlet.



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.

