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NETGEAR PL1000 Network Extender User Guide

NETGEAR®

Quick Start
Powerline 1000
Model PL1000

Product varies by region.

Contents

Package Contents

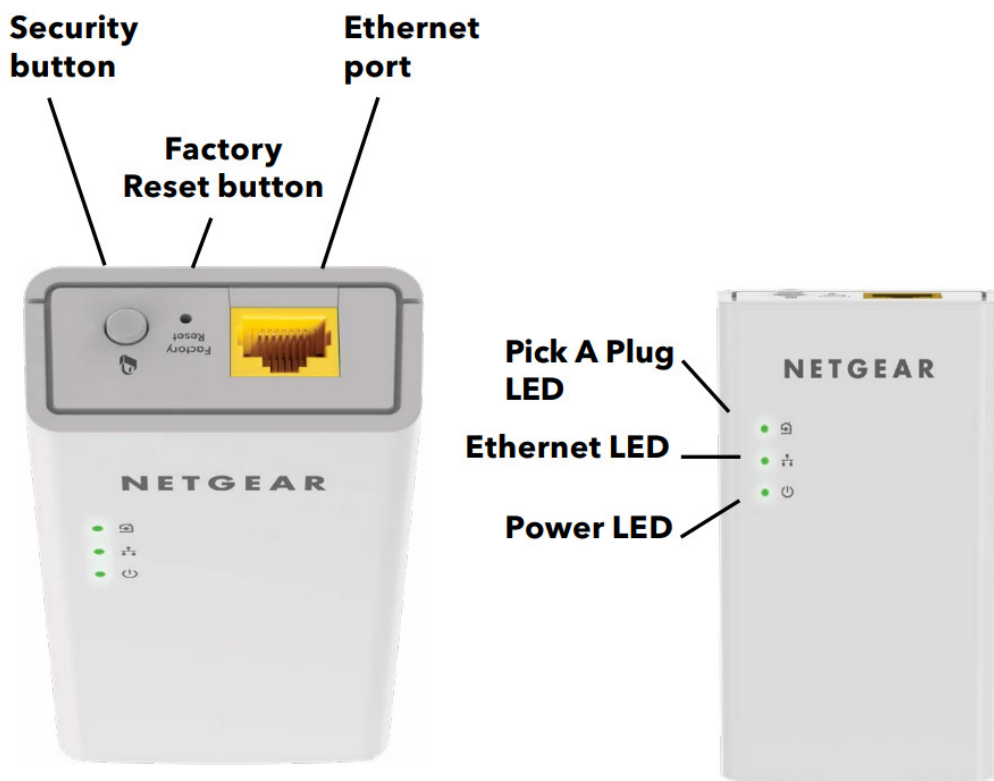In some regions, a resource CD is included with your product.
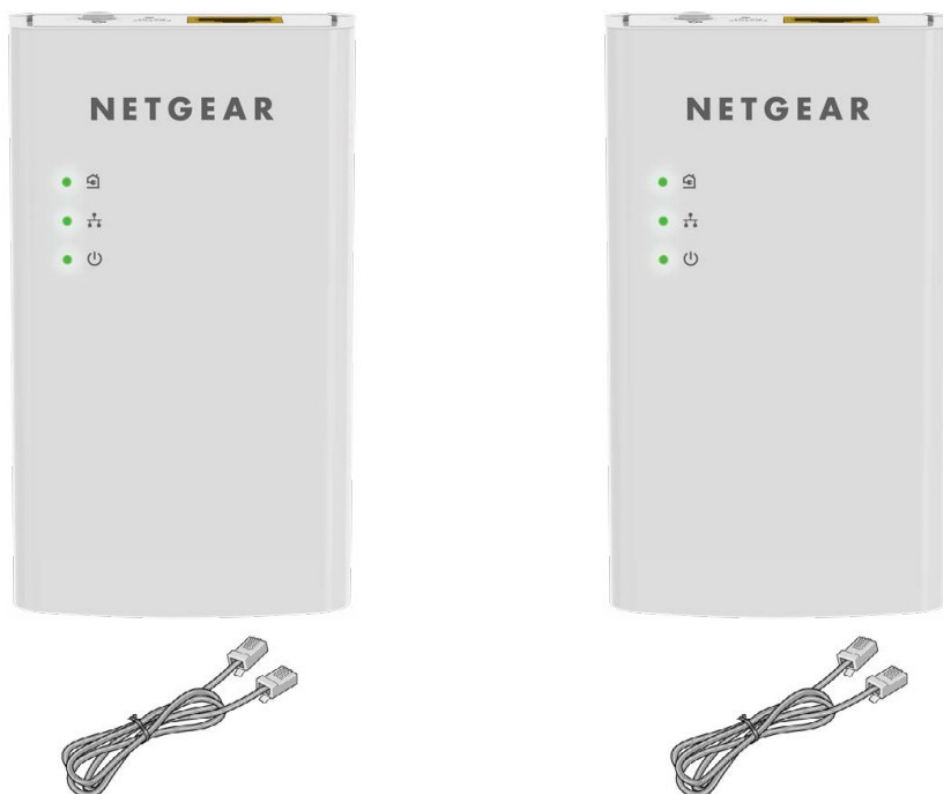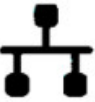
Get Started

Powerline adapters give you an alternative way to extend your network using your existing electrical wiring. Plug two or more Powerline adapters into electrical outlets to create a wired network connection. You can add up to eight adapters to extend your network.

Meet Your Adapter

Before you install your adapters, familiarize yourself with their LEDs, buttons, and port.

|		
Power LED		**Solid green.** The electrical power is on. **Solid amber.** The adapter is in power-saving mode. **Blinking green.** The adapter is in the process of setting up security. **Off.** The adapter is not receiving electrical power.
Ethernet LED		**Solid green.** The Ethernet port is linked. **Off.** No Ethernet connection is detected.
Pick a Plug LED		The Pick A Plug feature lets you pick the electrical outlet with the strongest link performance, indicated by the color displayed by the LED: **Red.** Link rate < 50 Mbps (good). **Amber.** Link rate > 50 and < 80 Mbps (better). **Green.** Link rate > 80 Mbps (best). **Off.** The adapter did not find any other compatible Powerline devices using the same encryption key.
Factory Reset button		Press the **Factory Reset** button for one second, and then release it to return the Powerline adapter to its factory default settings.
Ethernet port		Use an Ethernet cable to connect your wired devices, including computers, WiFi routers, or game consoles, to your Powerline network.
Security button		Use the **Security** button to create a secure Powerline network.

Install Your Adapters

To install your Powerline adapters:

1. Plug a powerline adapter into a power outlet near your router.

Note: Do not plug your Powerline adapters into extension cords, power strips, or surge protectors.

2. Use an Ethernet cable to connect the Powerline adapter to a LAN port on your router.

3. Plug the second Powerline adapter into a power outlet in the location where you want to add Internet access.
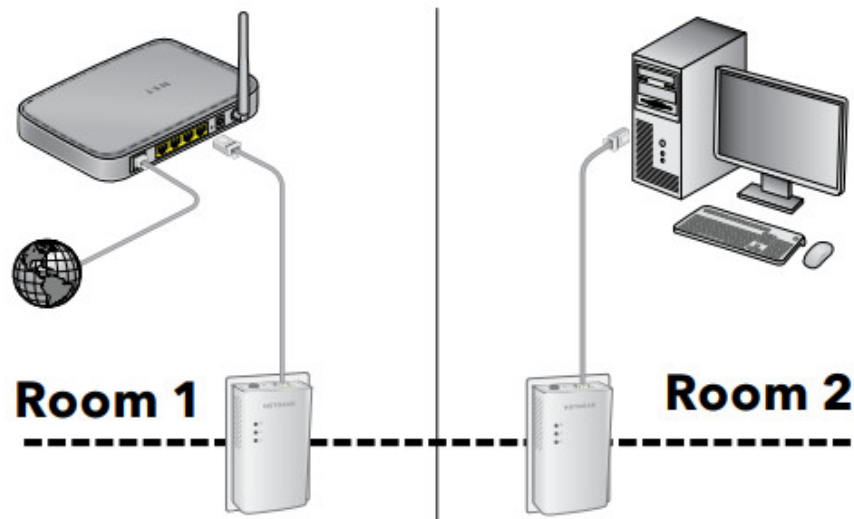
4. Wait until the Pick APlug LEDs are lit.

5. Use an Ethernet cable to connect a computer or other device to the Powerline adapter.

   Congratulations. You installed your adapters and set up your Powerline network. You can customize the network and security settings later.

Do More

After your Powerline network is installed and running, you can expand your network, customize the network settings, and customize security.

Add Adapters

To add adapters before you configure the network security feature, just plug them in. Then connect your computer or Ethernet device.

To add an adapter to a Powerline network with a security setting:

1. Plug the adapter into a wall outlet where you want to add Internet access.

2. If you used a private encryption key, press the Security button on one of the adapters that are already a part of your Powerline network for two seconds and then press the Security button on the new adapter for two seconds.

   Both buttons must be pressed within two minutes.

   Note: The Security button does not work in power saving mode (see Troubleshooting Tips on page 10.

   Warning: Do not press the Security button until installation is complete and the adapters are communicating with each other (indicated by the blinking Power LED). 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.

Customize Your Network Security

When you first set up your network, the setup uses a default encryption key common to all adapters. You can change this.

To create a private secure network:

1. Wait until the Pick A Plug LEDs are lit.
2. Press the Security button for two seconds on one adapter.

   Note: The Security button does not work in power saving mode (see Troubleshooting Tips).
3. Within two minutes, press the Security button on the next adapter for two seconds.

Troubleshooting Tips

The 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 in the following circumstances: • The Ethernet cable is unplugged. • The device that is connected through The Ethernet cable is turned off. • The adapter is idle for 10 minutes. It returns to normal mode within two seconds after the Ethernet link is established.
Pick A Plug LED is off.	• If you already set network security, make sure that all Powerline devices are using the same encryption key; for information see the online user manual. • Press the Factory Reset button on each device for one second to return the Powerline adapter to its factory default settings.
Pick A Plug LED is amber or red.	Something is interfering with communication between adapters. To resolve this, do the following: • Move the adapter to another outlet. • Unplug devices that might be causing interference such as surge suppressors and items with motors.
Ethernet LED is off.	• Make sure that the Ethernet cables are working and securely plugged into the devices. • Press the Factory Reset button on each device for one second to return the Powerline adapter to its factory default settings.

Support and Community

Visit netgear.com/support to get your questions answered and access the latest downloads.
You can also check out our NETGEAR Community for helpful advice at **community.netgear.com.**

Regulatory and Legal

For regulatory compliance information including the EU Declaration of Conformity, visit
https://www.netgear.com/about/regulatory/.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit **https://www.netgear.com/about/privacy-policy**.

By using this device, you are agreeing to NETGEAR's Terms and Conditions at
https://www.netgear.com/about/terms-and-conditions.

If you do not agree, return the device to your place of purchase within your return period.

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Documents / Resources

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PL1000, Network Extender

References

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