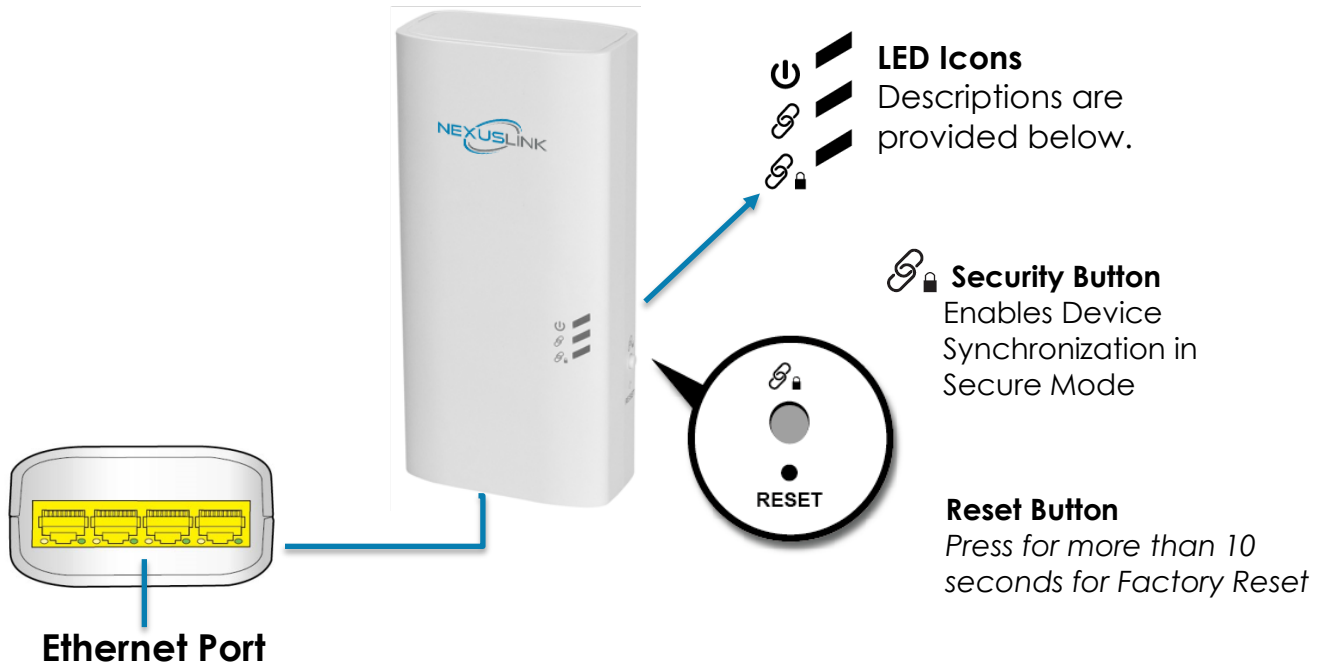# Quick Install Guide

GPL-2000S4 G.hn 2000 Powerline with 4-Port Gigabit Ethernet Switch

A Understanding Your Powerline Adapter

LED Icons
Descriptions are provided below.

Security Button
Enables Device Synchronization in Secure Mode

Reset Button
Press for more than 10 seconds for Factory Reset

Ethernet Port

LED	Color	Mode	Description
Power LED	**Green**	On	The Adapter is powered on.
	Off	Off	The Adapter is powered off or faulty.
Connection LED	**Green**	On	The current connection (line rate) is more than 40Mbps.
	Orange	On	The current connection (line rate) is between 5Mbps and 40Mbps.
	Red	On	The current connection (line rate) is less than 5Mbps.
	Off	Off	An Adapter connection does not exist.
Security LED	**Green**	On	The Adapter is secure (it has received or generated network keys).
		Blinking	The Adapter is in the process of being secure.
	Off	Off	The Adapter is not secure.

B Initial Powerline Adapter Setup

NOTE: A minimum of <u>two</u> G.hn Powerline Adapters are required to create a connection. The following instructions use the GPL-2000PT as the primary adapter that connects to the Network Device (Modem, Router, or Access Point), however, you can use any NexusLink G.hn Powerline Adapter.

→ **If you are setting up a G.hn Powerline network for the first time, then follow the below steps.**

→ **If you are adding to an existing G.hn Powerline network, then skip to Steps 3-5.**

GPL-2000PT

1. Plug the GPL-2000PT into a power outlet near your Network Device (Modem, Router, or Access Point).

   ⚠ For maximum performance, please plug the Powerline Adapter directly into the wall outlet. Do not plug into a power strip or surge protector, as network performance could degrade significantly.

2. Connect the Powerline Adapter to your Network Device (Modem, Router, or Access Point) with an Ethernet (RJ-45) cable. Wait 10 seconds for the **Ethernet LED** 品 to light up **GREEN**, which indicates a connection is established. A flashing **GREEN** light indicates that the device is sending data.

C Device Connection

3. Plug the **GPL-2000S4** into a power outlet near the Internet-enabled device (ex. TV, PC, STB, DVR, etc.).

4. Connect this Powerline Adapter to the Internet-enabled device (ex. TV, PC, STB, DVR, etc.). with an Ethernet (RJ-45) cable. The **Connection LED** 🔗 and **Ethernet LED** 品 on the front of both Powerline Adapters should be **GREEN,** which represents a strong connection.

Network Device (Modem, Router, or Access Point)   **GPL-2000PT**   **GPL-2000S4**   **Set-Top-Box**
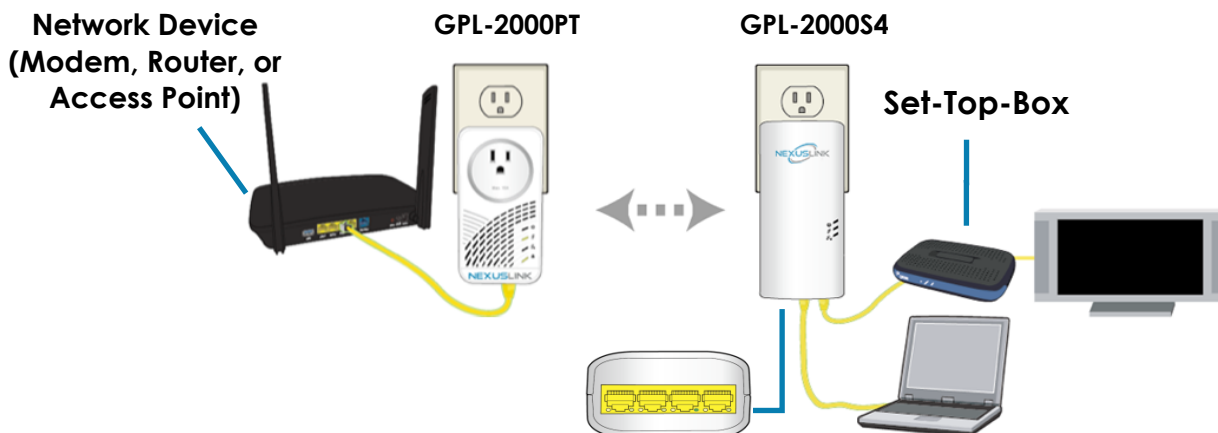
D Pairing the Powerline Adapters

5. Press the **Security Button** on one Adapter until you see the **Security LED** 🔗 start blinking **GREEN**. Then press the **Security Button** on the second Adapter until you see the **Security LED** 🔗 start blinking **GREEN**. The **Security LED** 🔗 and the **Connection LED** 🔗 should be solid **GREEN** on both Adapters when they are successfully paired.

Note: If you are adding to an existing G.hn Powerline network, then press the **Security Button** on any Adapter in the existing G.hn Powerline network until you see the **Security LED** 🔗 start blinking **GREEN**. Then press the **Security Button** on the Powerline Adapter you are adding until you see the **Security LED** 🔗 start blinking **GREEN**.. The **Security LED** 🔗 and the **Connection LED** 🔗 will light up **GREEN** on all adapters within the G.hn Powerline network.

6. Repeat Steps 3 to 5 to add additional Powerline Adapters. Please note that up to 16 devices can be connected within a Powerline G.hn Network.

E You Have Succesfully Set Up Your G.hn Powerline Network!
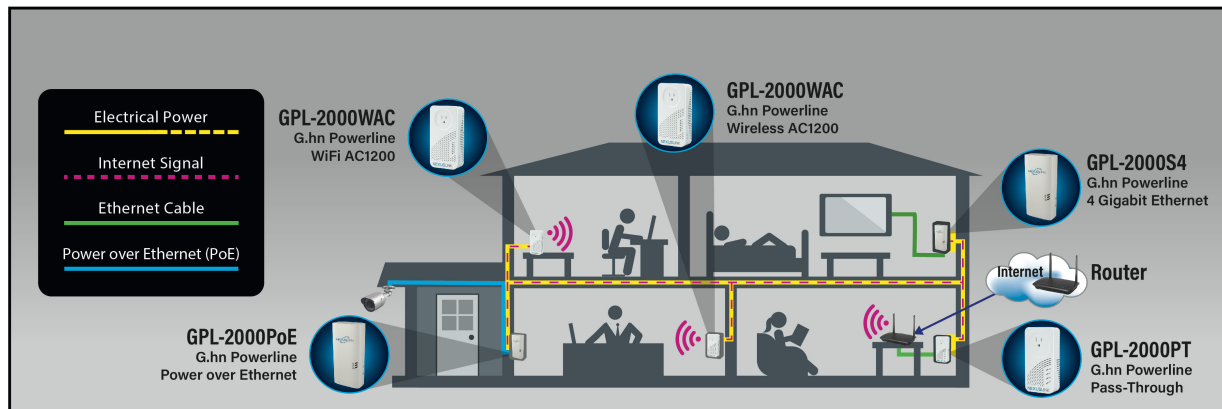
F Troubleshooting

The following information should help you diagnose basic setup or installation problems.

Connection LED 🔗 **is OFF:** The **Connection LED** shows that the Powerline Adapter is connected to the G.hn Network. If the indicator is off, then plug both Powerline Adapters that you are attempting to pair into power outlets that are located within the same room. The **Connection LED** should light up **GREEN**. If not, then press the **Reset Button** on each adapter for more than 10 seconds. Afterwards, you can plug the units back into their original location.

Ethernet LED is OFF: If the **Ethernet LED** fails to light up, check that the LAN port of the Powerline Adapter is connected firmly to the LAN port of the other device. To check the condition of the Ethernet cable, use

another cable to test the same connection.

Security LED 🔒 is OFF: If the **Security LED** is off, then it means the Powerline Adapter is not securely paired. Press the **Security Button** on the Powerline Adapter for 3 seconds until you see the **Security LED** start flashing **GREEN**. Repeat this on the other Powerline Adapter. The **Security LED** and the **Connection LED** will light up **GREEN** on both adapters. This means the adapters are now securely paired and have a strong connection.

To join an existing G.hn Powerline network, press the **Security Button** on any Powerline Adapter in the existing G.hn Powerline network for 2 seconds until you see the **Security LED** start flashing **GREEN**. Then press the **Security Button** on the *additional* Powerline Adapter. The **Security LED** and the **Connection LED** will light up **GREEN** on both adapters.

*If you have tried the above and are still experiencing problems, you can reset all devices to factory default by pushing the **Reset Button** for more than 10 seconds (until all the LEDs of the device blink).

How to understand the COVERAGE LED colors

The COVERAGE LED displays quality of the network and provides important information that will provide solutions to common questions, such as why a High Definition (HD) movie is not showing or shows with pixels. The COVERAGE LED indicator will vary its color depending on the estimated speed of the Powerline connection. The speed is measured in Megabits Per Second (Mbps).

Color	Information
RED	The current connection has low quality, basic Internet activities ex. 5Mbps are possible but the Powerline is unable to transmit either a Standard Movie or High Definition (HD) Movie.
ORANGE	The current connection has good quality and Internet activities ex. greater than 5Mbps and less than 40Mbps to transmit Standard Movie and HD Movie.
GREEN	The current connection has excellent quality and Internet activities ex. greater than 40Mbps to transmit multiple Standard Movies and HD Movies.

ICFC

ADDITIONAL HELP:

Visit the GPL-2000S4 Product Webpage for additional resources such as a User Manual, FAQs, and/or Videos.

Link: nexuslinkusa.com/product/gpl-2000s4

Power Specifications:
- •I/P: 100-125Vac, 50/60Hz, 15A
- •O/P: 100-125Vac, 50/60Hz, 15A

⚡ **WARNING**
- For indoor use only
- Disconnect the PLC from the power source before servicing
- Do NOT open the casing
- Do NOT use near water
- Do NOT insert sharp objects into the adapter's socket
- Socket maximum output is 15A

Support:

📞 Call: (855) 337-6750   ✉ Email: Support@NexusLinkUSA.com