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Quick Start Guide

Powerline Wireless Extender Kit

GPLWEKIT

PART NO. Q1338

Package Contents

1

- 1 x GPLB200K Powerline Nano Ethernet Adapter
- 1 x GPLWE150 Powerline Wireless Extender
- 2 x Ethernet Cables (5ft)
- 1 x Quick Start Guide
- 1 x Warranty Card

System Requirements

For Internet Access

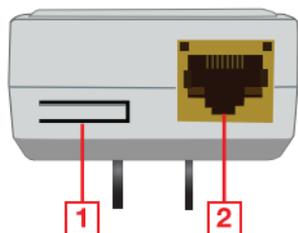
- Cable or DSL Modem
- Router
- Subscription with an Internet Service Provider (ISP)

For Powerline Network

- 2 Standard Power Outlets
- 2 or more Powerline adapters

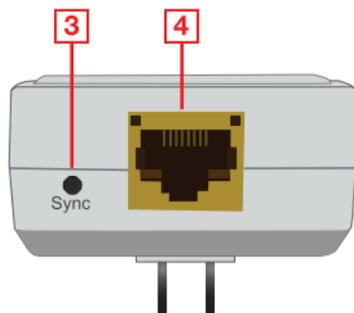
Adapter (Bottom View)

1. Security / Reset Button
2. Ethernet Port



Extender (Bottom View)

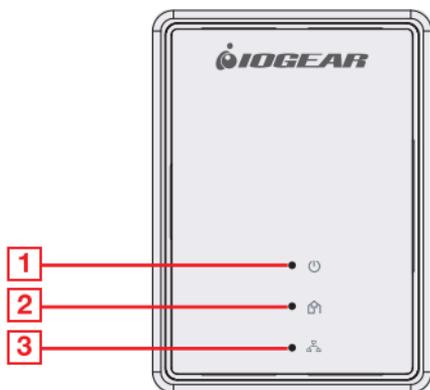
3. Sync / Reset Button
4. Ethernet Port



Press and Hold Time	Description
1-3 seconds	Secures your network and pairs adapters. When pairing multiple adapters, button should be pressed within 2 minutes of each other.
10-15 seconds	Resets the adapter clearing all data and restoring all settings to the factory default values.

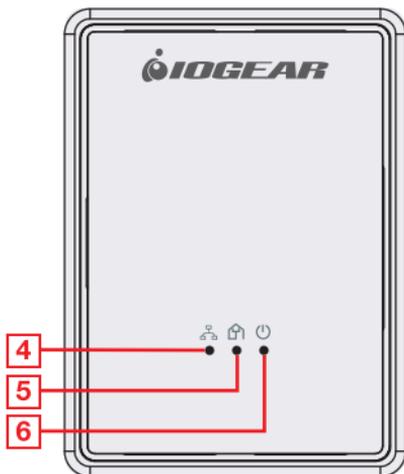
Adapter (Front View)

1. Power LED (⏻)
2. PLC Link LED (🏠)
3. Ethernet Link LED (🌐)



Extender (Front View)

4. Ethernet Link LED ()
 5. PLC Link LED ()
 6. Power LED ()



LED	Description
Ethernet Link 	<ul style="list-style-type: none"> • Solid green: The adapter is on • Blinking green: Adapter is in standby mode • Off: The adapter does not have electrical power
PLC Link 	<ul style="list-style-type: none"> • Solid: The adapter is connected to a Powerline network • Off: Adapter has not found another compatible Powerline device using the same encryption key <p>PLC Link LED will indicate overall speed of your network with 3 colors:</p> <ul style="list-style-type: none"> • Green: Fast link rate with optimal network speed > 100Mbps • Amber: Normal signal with standard network speed between 50 - 99Mbps • Red: Slow link rate with slow network speed < 50Mbps • Off: No activity and adapter is not connected
Power 	<ul style="list-style-type: none"> • Solid green: Adapter is connected to a powered-on Ethernet device • Blinking green: The Ethernet port is transferring data • Off: No Ethernet connection

Connect your Modem/Router to the Powerline Ethernet Adapter

1. Plug one end of the Ethernet cable into the Ethernet port on the bottom of the adapter.
2. Connect the other end of the cable into your Modem/Router.
3. Plug the Ethernet adapter into an AC Wall Power Outlet near the Modem/Router.* Power LED and Ethernet Link LED will light solid.



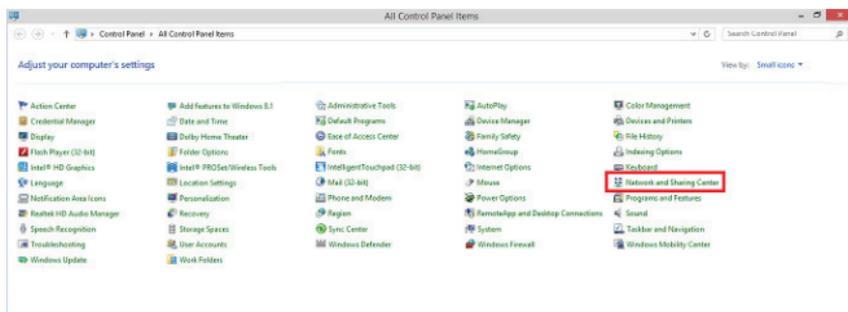
Connect the Powerline Wireless Extender to the Powerline Network

1. Plug the Powerline Wireless Extender into a power outlet.*
2. After 30 seconds, the PLC Link LED should light solid in a color indicating the signal strength of your Powerline connection.
3. The Powerline Ethernet adapter and extender are now connected forming a Powerline network.

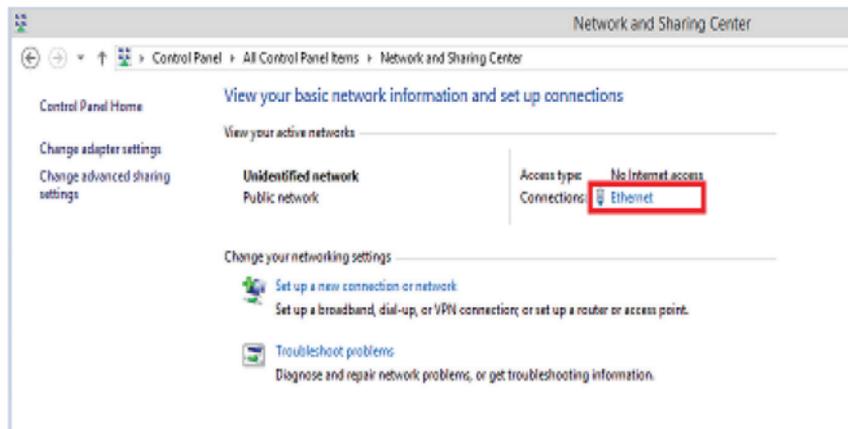


***Warning: Do not plug the Ethernet Adapter into a power strip that has surge protection. Doing so will degrade Powerline performance. For best performance, plug all adapters directly into a wall outlet.**

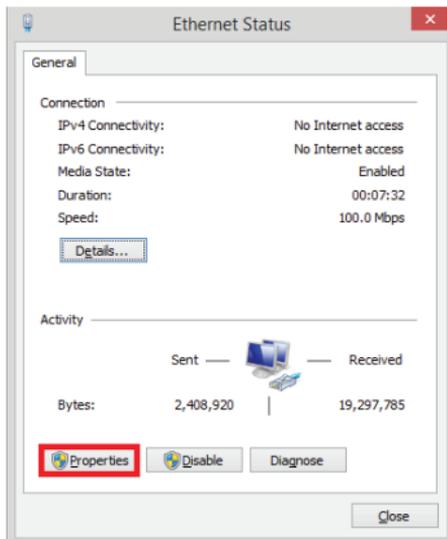
1. Start by disabling the Wi-Fi connection on your PC.
2. Connect your PC to the Ethernet port on the Powerline Wireless Extender using the included Ethernet cable.
3. Next, open **Control Panel** on your PC and access the **Network and Sharing Center**.



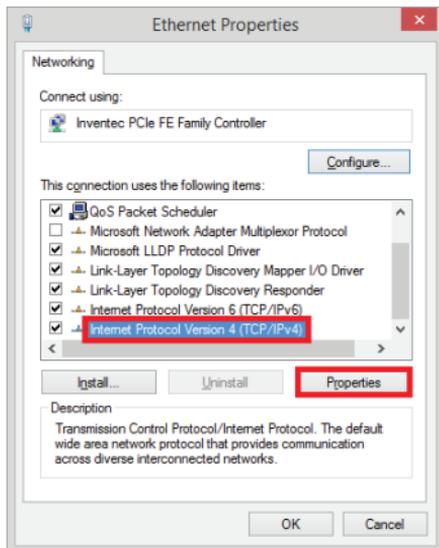
4. Click on **Ethernet**.



5. Select **Properties**.



6. Click to highlight **Internet Protocol Version 4 (TCP/IPv4)** and select **Properties**.



7. Choose **Use the following IP address**. Set the IP address to **192.168.1.1** and the Subnet Mask to **255.255.255.0** as shown in the image below. Click **OK** to continue.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 1 . 1

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: . . .

Alternate DNS server: . . .

Validate settings upon exit

Advanced...

OK Cancel

8. Next, launch your Internet browser and type **192.168.1.50** into the address bar. The web based wireless configuration tool will appear.

192.168.1.50

router.asp

Extender configuration

Network configuration

Ethernet

Extender

Wi-Fi

Firmware

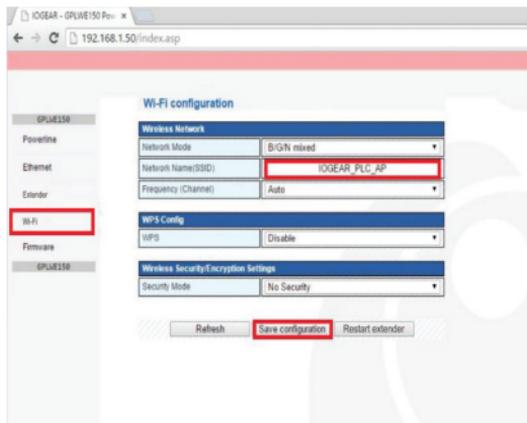
Activity statistics

	Rx:	Bytes	Pkts	Tx:	Bytes	Pkts
Packets	48436		694	30514		694
Errors	0		0	0		0
Drops	0		0	0		0
File	0		0	0		0
Frame	0		0	0		0
Compressed	0		0	0		0
Multicast	3545		Compressed			0

Auto refresh

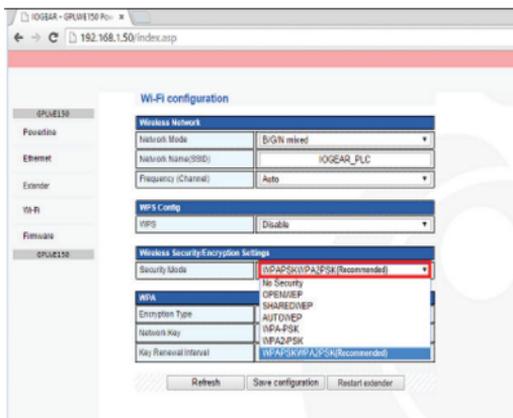
Option 1: Setting a Custom Network Name (SSID)

1. Select the **Wi-Fi** option on the left side of the configuration page.
2. Click the **Network Name (SSID)** text box and enter the desired Network Name.
3. Click the **Save configuration** button. A message will appear stating the extender must be restarted for the changes to be applied. Click **OK** to proceed.



Option 2: Select Wireless Security Encryption and Password

1. On the **Wi-Fi configuration** page, click the **Security Mode** drop down menu and select the desired encryption type.



- Once selected, type in the desired Network Key. Each Encryption type will have different requirements for the Network Key. Select the type most suitable for your wireless environment.
- After the desired Network Key is selected, click **Save configuration**. A message will appear stating the wireless extender must be restarted for the changes to be applied.

IOGEAR - GPLV150 Powerline configuration page. The page title is "Wi-Fi configuration". The left sidebar shows navigation options: Powerline, Ethernet, Extender, Wi-Fi, and Firmware. The main content area is divided into sections: Wireless Network, WPS Config, Wireless Security/Encryption Settings, and WPA. The WPA section contains the following fields:

Encryption Type	<input type="radio"/> TKIP <input checked="" type="radio"/> AES (Recommended) <input type="radio"/> TKIP+AES
Network Key	<input style="border: 2px solid red;" type="text" value="IOGEAR_PL_C"/>
Key Renewal Interval	<input type="text" value="0"/> (seconds) (0 - 4194300)

At the bottom of the WPA section, there are three buttons: Refresh, **Save configuration** (highlighted with a red box), and Restart extender.

- To apply the custom settings to your Powerline Wireless Extender, click **Restart extender**.

IOGEAR - GPLV150 Powerline configuration page. The page title is "Wi-Fi configuration". The left sidebar shows navigation options: Powerline, Ethernet, Extender, Wi-Fi, and Firmware. The main content area is divided into sections: Wireless Network, WPS Config, Wireless Security/Encryption Settings, and WPA. The WPA section contains the following fields:

Encryption Type	<input type="radio"/> TKIP <input checked="" type="radio"/> AES (Recommended) <input type="radio"/> TKIP+AES
Network Key	<input type="text" value="IOGEAR_PL_C_AP"/>
Key Renewal Interval	<input type="text" value="0"/> (seconds) (0 - 4194300)

At the bottom of the WPA section, there are three buttons: Refresh, Save configuration, and **Restart extender** (highlighted with a red box).

- Once restarted, the Powerline Wireless Extender set up is complete and ready to connect to your devices.
- Close your browser and change the network settings on your PC back to DHCP (**Obtain an IP address automatically** and **Obtain DNS server address automatically**). Refer to steps 3 through 7 in **Configuring your Powerline Wireless Extender**. Also do not forget to enable your Wi-Fi connection if you disabled it.



This Quick Start Guide is intended to cover basic setup and key functions to get you up and running quickly.

For a complete explanation of setup and features, please download the Powerline Wireless Extender Manual from www.IOGEAR.com/product/GPLWEKIT.

Compliance Information

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential setting. This product generates, uses, and can radiate radio frequency energy and, if not installed and used as directed, it may cause harmful interference to radio communications. Although this product complies with the limits for a Class B digital device, there is no guarantee that interference will not occur in a particular installation.

CE Compliance

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (2004/108/EC), Low Voltage (2006/95/EC) and R&TTED (1999/5/EC).

Limited Warranty

Warranty Information

This product carries a 1 Year Limited Warranty. For the terms and conditions of this warranty, please go to <http://www.iogear.com/support/warranty>

Register online at <http://www.iogear.com/register>

Important Product Information

Product Model _____

Serial Number _____

Contact

WE'RE HERE TO HELP YOU! NEED ASSISTANCE SETTING UP THIS PRODUCT?

Make sure you:

1. Visit www.iogear.com for more product information
2. Visit www.iogear.com/support for live help and product support

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