COMTREND

Quick Install Guide

PG-9172AC | AC1200 G.hn Powerline Adapter

A Understanding the AC1200 G.hn Powerline Adapter

Displays Power Status

Displays Ethernet Connection Status

Displays Adapter Connection Status

On/Off Power Button

Gigabit Ethernet Port

LAN   5 GHz   2.4 GHz   PLC   POWER

Displays 2.4GHz/5GHz Enabling/Disabling WiFi Status

Power Port

Reset Button
Press for more than 10 seconds for Factory Reset.

WiFi Power On/Off Button

Adapter Pairing Button

ON/OFF   WPS   PLC Sync

WPS Connection Button

How to Create a Basic (2 unit) G.hn Powerline Network – Recommended Setup

Purpose	Recommended Primary Adapter	Second Adapter
• Connecting a single dedicated Internet Device	PG-9172**	PG-9172**
• Bringing wireless to a remote location	PG-9172**	PG-9172AC
• Connecting a PoE Enabled Device	PG-9172**	PG-9172PoE

*A G.hn Powerline Network can consist of a minimum of 2 and up to 16 devices total.

**The PG-9172 can be replaced by another G.hn Powerline Adapter.

NOTE: The following steps show how to create or add onto a G.hn Powerline Network using a PG-9172AC.

(A minimum of two G.hn Powerline Adapters are required to create a proper connection.)

→ If this is the first time you are setting up a G.hn Powerline Network please continue to Section B.

→ If you already have an established G.hn Powerline Network and are adding an additional adapter, please skip to Section C.
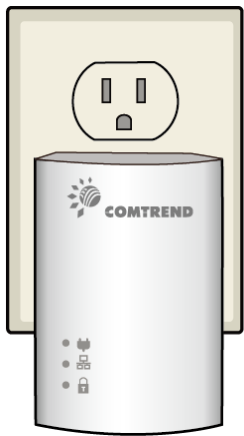
B Creating a New G.hn Network

1. Plug a PG-9172* unit into the power outlet closest to the Network Device (Modem, Router). Do not plug the adapter into a power strip or surge protector, as network performance could degrade significantly.
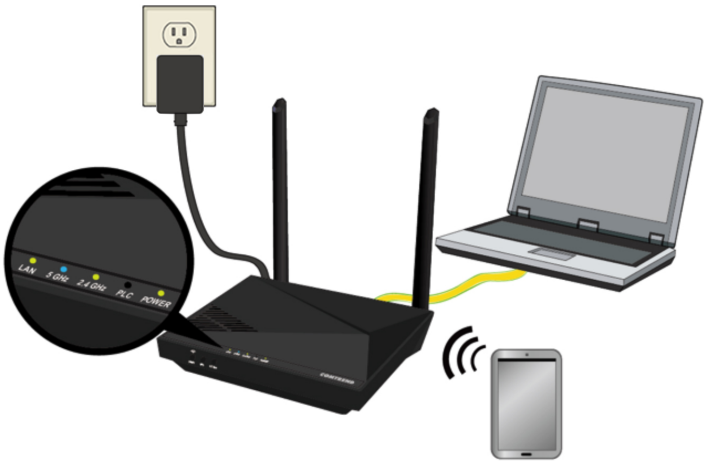
PG-9172

2. Connect the PG-9172 to a Network Device with an Ethernet (RJ-45) cable. (Wait 10 seconds for the **Network Indicator** 🖧 to light up **GREEN**, which indicates a good connection. A flashing **GREEN** light indicates that the device has a good connection and is also sending data).

PG-9172

**Network Device
(Modem, Router)**

Ethernet Cable
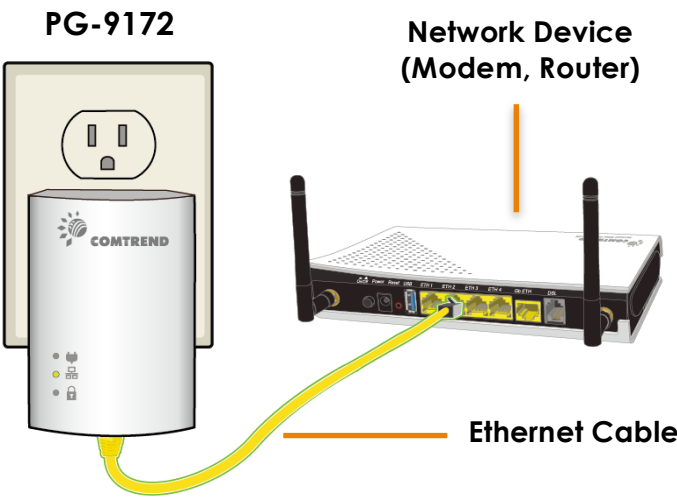
C Adding to an Existing G.hn Network

3. Plug the PG-9172AC into the power outlet closest to the location you want to add wireless and/or near an Internet- Enabled Device you would like to directly connect to the adapter. The **Power Indicator** POWER should light up.

4. Optionally, to add an Internet- Enabled Device, directly connect the PG-9172AC to the Internet-Enabled Device with an Ethernet cable. (The **Network Indicator** 🖧 on the PG-9172 and the **LAN Indicator** LAN of the PG-9172AC should both be **GREEN** representing a strong connection).


D Security Setup

NOTE: G.hn Adapters will automatically "pair" in "non-secure" mode. It is highly recommended to follow Step 5 to create a secure connection.

5. Press the "Config" Button of a PG-9172 in the existing network for 2 seconds. You will see the **Security Indicator** 🔒 start flashing **GREEN**. Within two minutes, press the "PLC Sync" Button on the PG-9172AC for 2 seconds until you see the **PLC Indicator** PLC start flashing **GREEN**. (When the adapters are successfully paired with a strong connection the PG-9172's **Security Indicator** 🔒 and **Connection Indicator** ♟ will be solid **GREEN** and the PG-9172AC's **PLC Indicator** PLC will be solid **GREEN**.)

6. Repeat Steps 3 to 5 to add additional adapters/devices.

E   Connecting Your WiFi Devices to the New PG-9172AC Access Point

7. For some devices (E.g. laptops, cameras, set-top-boxes, etc.) wireless connectivity can be done via WPS (Wireless Protected Setup). WPS allows you to simply connect devices to the new Access Point without entering a username/password manually. To do this, please follow the instructions in Section F below.

8. You have created a new Internet Access Point and it is now active and ready to use! To connect your WiFi devices to your new PG-9172AC WiFi Access Point, select the PG-9172AC Access Point using your WiFi device's standard network list. The Network Name (SSID) and Password (WiFi Key) can be found on the bottom of the PG-9172AC.
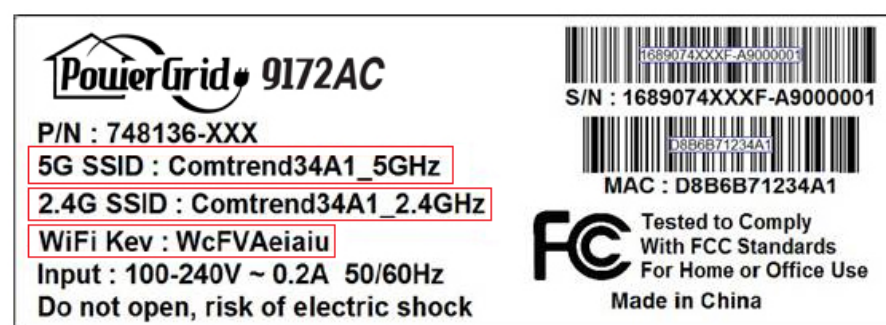
9. Go to Section G.

F   Setup of Wireless Devices via WPS (WiFi Protected Setup)

10. Press and hold the "WPS" Button for more than 2 seconds on the PG-9172AC to activate its WPS. The PG-9172AC's **WiFi Indicators** 5 GHz 2.4 GHz should flash to indicate a WPS connection is in progress.

11. Within two minutes, press the "WPS" Button (often the WPS/Reset Button) on your remote Internet-Enabled Devices to activate WPS.

12. The devices will establish a secure connection.

G   You Have Successfully Installed Your G.hn Powerline Adapter with WiFi!
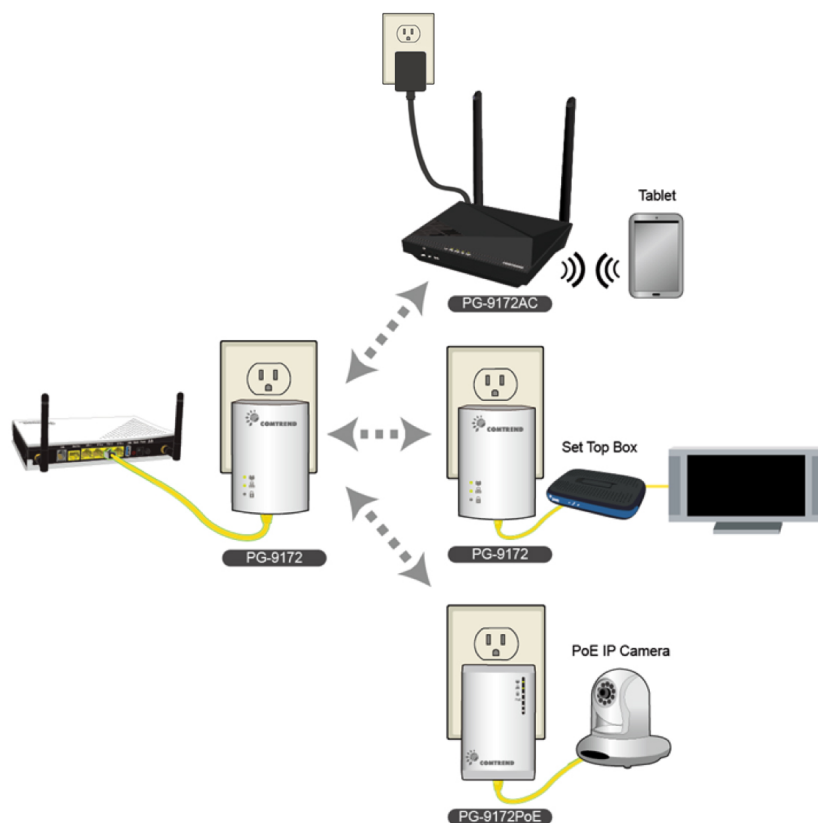
H Troubleshooting

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

● POWER	**POWER**
● LAN	**LAN**
● ● 5 GHz 2.4 GHz	**WiFi**
● PLC	**PLC**

1) POWER Indicator is OFF: First try pressing the "Power" Button on the rear panel of the device. If the **Power Indicator** is still off, please make sure that your power socket is working properly (perhaps by testing with another device). Then plug in your PG-9172AC again and push the "Power" Button on the rear panel of the device.

2) LAN Indicator is OFF: The LAN Indicator is off when there is no directly connected device into the G.hn Adapters' Ethernet Port. If there is a device connected and if the **LAN Indicator** is off, check that the Ethernet port of the Powerline Adapter is connected firmly to the Ethernet port of the other device. Also, you can check the condition of the Ethernet cable by using another Ethernet cable to test if the indicator turns on.

3) WiFi Indicators are OFF: To turn on both indicators (enable WiFi) you can press the "WiFi" Button ON/OFF on the front of the device. You can also login to the PG-9172AC Web and enable WiFi (5G only). See section 5.5 of the User Manual for details.

4) PLC Indicator is OFF: This indicator shows that the adapter is paired to the G.hn Network. If this indicator is off, plug both Powerline Adapters that you're attempting to pair into power outlets that are located within the same room. All of the indicators of the device should blink (approx. 10 seconds), and the **PLC Indicator** should light up. If the **PLC Indicator** does not light up, it may indicate the existing G.hn network is secure and you have to pair the PG-9172AC to it in "secure mode." To do so, press the "PLC Sync" Button on the PG-9172AC for 2 seconds. Within 2 minutes, press the "Config" Button on the PG-9172 for 2 seconds (Holding for more than 4 seconds will clear the security key and require a re-pairing). The **PLC Indicator** will then light up **GREEN**. Afterwards, you can plug the units back into their original location.

5) PLC Indicator is Blinking RED: This indicator shows that the adapter is paired to the G.hn Network. If the **PLC Indicator** is blinking **RED**, then the adapter is paired in "non-secure" mode to the G.hn Network. It is optional to pair the device in "secure mode." To pair the device in "secure mode," press the "PLC Sync" Button on the PG-9172AC and the "Config" Button on the PG-9172 for 2 seconds. The **PLC Indicator** will then light up **GREEN**.

* If you have tried all of the above and are still experiencing problems, you can reset all devices to factory default by pushing the "Reset" Button on the PG-9172AC for more than 10 seconds AND the "Config" Button on the PG-9172 for 10 seconds.
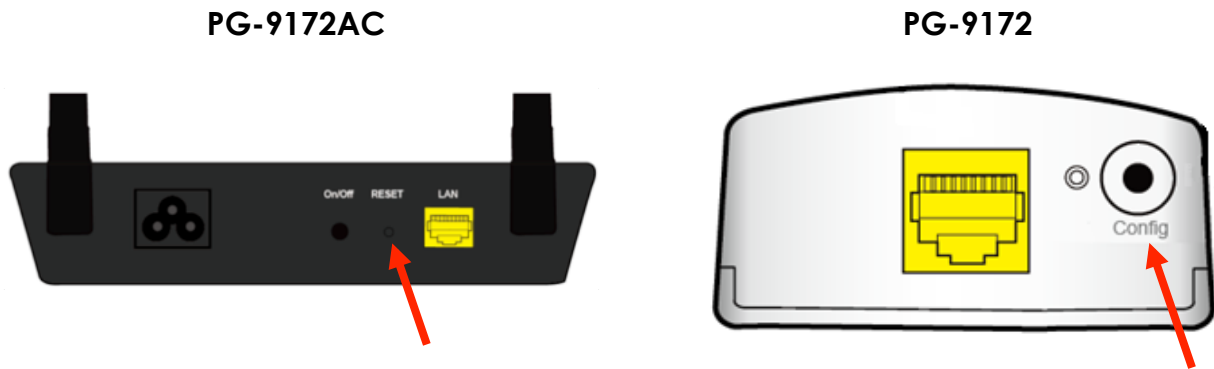
PG-9172AC

PG-9172

FOR MORE HELP: For instructions on advanced features, FAQ, etc., please visit the PG-9172AC online Product Webpage on our website.

For more information:
YouTube: https://www.youtube.com/user/ComtrendConnection
Facebook: https://facebook.com/Comtrend
Website: http://us.comtrend.com/
Support: Visit our website or call 1-877-COMTREND (1-877-266-8736)