COMTREND

Quick Install Guide

PG-9182AC G.hn 2000 Powerline Adapter with WiFi

A **Understanding Your Powerline Adapter**

Security Button
Enables Device
Synchronization in
Secure Mode

LED Icons
Descriptions are
provided on the
following page

WPS Button
Enables
WPS
Synchronization

ON/OF WiFi Button
Turns the WiFi
On and Off

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

Ethernet Port
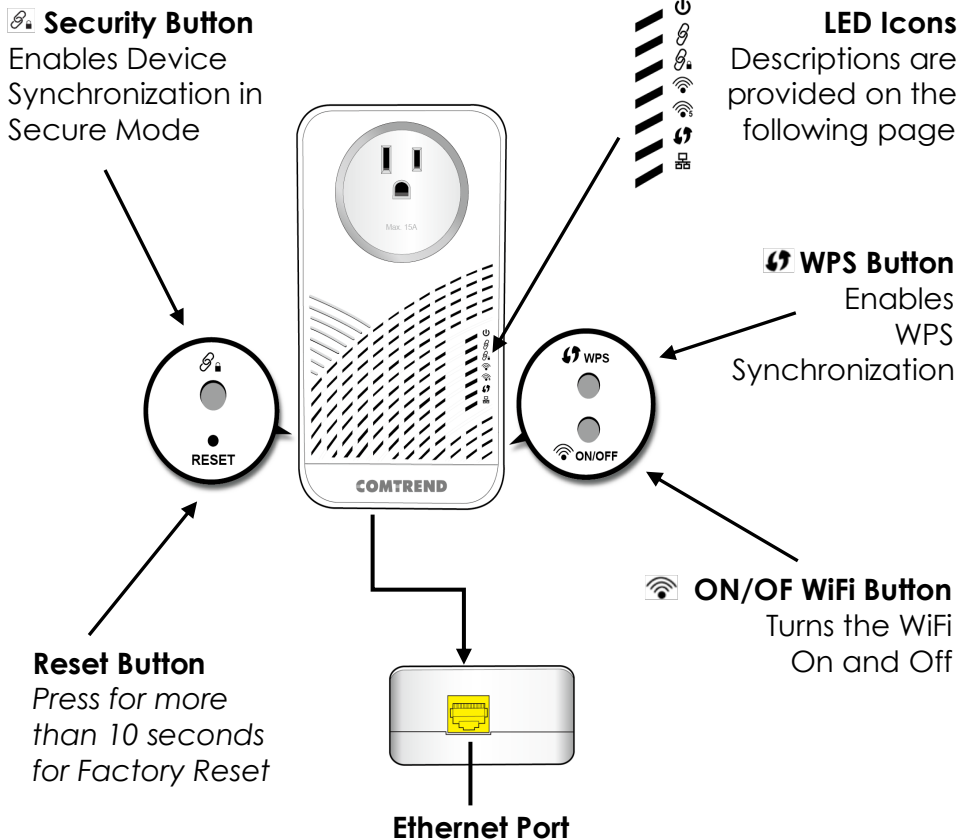
LED	Color	Mode	Description
Power LED ⏻	Green	On	The Adapter is powered on.
	Off	Off	The Adapter is powered off or faulty.
Connection LED 🔗	Green	On	The current connection (line rate) is more than 40Mbps.
	Orange	On	The current connection (line rate) is between 5Mbps and 40Mbps.
	Red	On	The current connection (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).
	Green	Blinking	The Adapter is in the process of being secure.
	Off	Off	The Adapter is not secure.
2.4GHz LED 📶	Green	On	2.4GHz WLAN is on.
	Off	Off	2.4GHz WLAN is off.
5GHz LED 📶₅	Green	On	5GHz WLAN is on.
	Off	Off	5GHz WLAN is off.
WPS LED	Green	On	WPS is enabled.
	Green	Blinking	A WPS connection is in process.
	Off	Off	WPS is not enabled.
Etherent LED	Green	On	An Ethernet LAN connection is established.
	Green	Blinking	Data over the Ethernet LAN connection is being transmitted.
	Off	Off	An Ethernet LAN connection is not established.

B Initial Powerline Adapter Setup

NOTE: A minimum of <u>two</u> G.hn Powerline Adapters are required. We suggest using the PG-9182PT as the primary Adapter that connects to your Network Device (Modem, Router, Access Point).

→ If you are setting up a G.hn Powerline network for the first time, then follow the below steps starting at Step 1.

→ If you are adding to an existing G.hn Powerline network, then skip to Steps 3-4.

1. Plug the PG-9182PT* Powerline Adapter into a power outlet near your Network Device (Modem, Router, or Access Point).

    *We sugguest using a PG-9182PT as the primary Adapter that connects to your Network Device, however, you can use any G.hn Powerline Adapter.

    ⚠ 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.
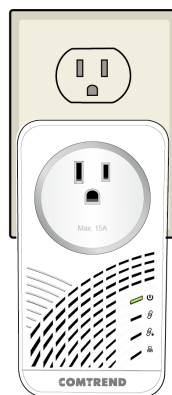
    PG-9182PT

2. Connect the PG-9182PT to your Network Device (Modem, Router, or Access Point) with an Ethernet (RJ-45) cable. Wait 10 seconds for the **Ethernet LED** ⊟ to light up **GREEN**, which indicates a connection is established. A flashing **GREEN** light indicates that the device is sending data.
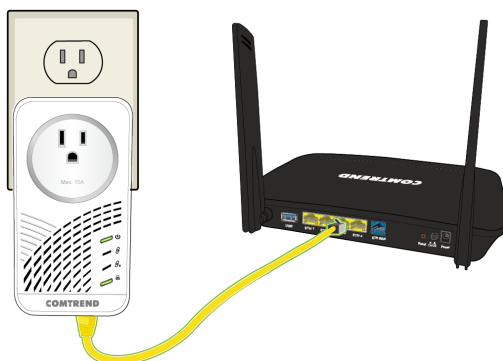
3. Plug the PG-9182AC Powerline Adapter into a power outlet near the location you want to add Wireless.

PG-9182AC

C   **Pairing the Powerline Adapters**

4. Press the **Security Button** on one Adapter until you see the **Security LED** 🔒 start blinking **GREEN**. Then press the **Security Button** on the other 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.

Network Device (Modem, Router, or Access Point)
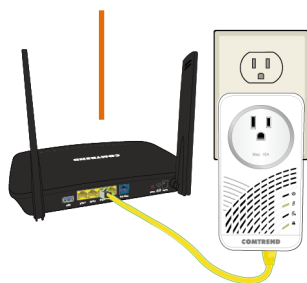
Smart TV

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**. Repeat this on the Powerline Adapter you are adding. The **Security LED** 🔒 and the **Connection LED** 🔗 will light up **GREEN** on all adapters within the G.hn Powerline network.

5. Repeat Steps 3 to 4 to add additional Powerline Adapters. Please note that up to 16 devices can be connected within a Powerline G.hn Network.

D — Connect Your WiFi Devices to the New PG-9182AC Access Point

**Note:** **The WiFi network behavior can vary based on different deployment scenarios. If WifiXtend™ or HARMONY technologies are being utilized, then the WiFi network will automatically become a single network with one SSID and Password per band. This occurs when there are two or more PG-9182AC adapters being used/when the Gateway is a WifiXtend™ or HARMONY enabled Comtrend Gateway.**

6. 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 E below.

7. To connect your WiFi devices to your new PG-9182AC WiFi Access Point, select the PG-9182AC 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-9182AC.
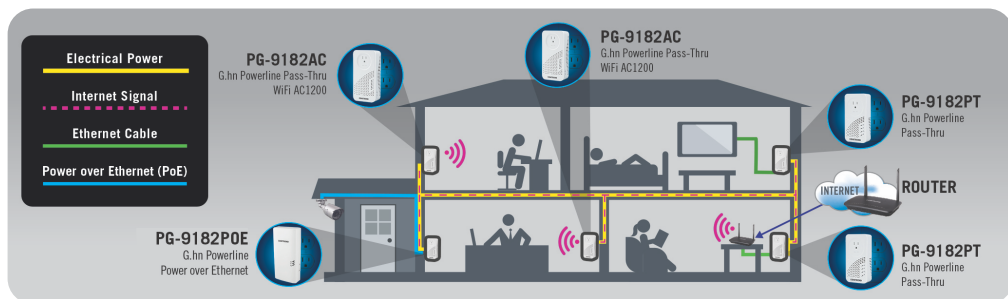
8. Go to Section G.
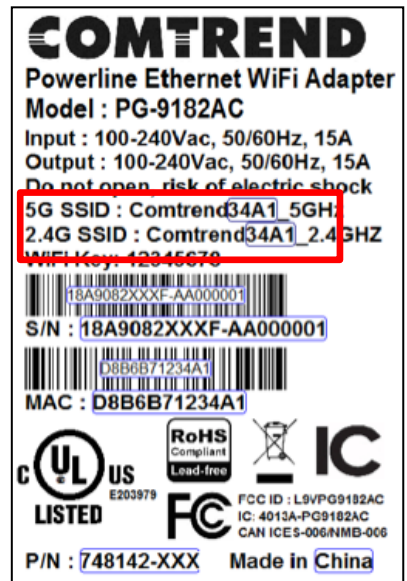
E — Setup of WiFi Devices via WPS (WiFi Protected Setup)

10. Press and hold the **WPS Button** for more than 2 seconds on the PG-9182AC to activate its WPS. The PG-9182AC's **WPS LED** should blink **GREEN** 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 WiFi connection.

F You Have Succesfully Set Up Your G.hn Powerline Adapter with WiFi!

| Electrical Power |
| Internet Signal |
| Ethernet Cable |
| Power over Ethernet (PoE) |

PG-9182AC G.hn Powerline Pass-Thru WiFi AC1200

PG-9182AC G.hn Powerline Pass-Thru WiFi AC1200

PG-9182PT G.hn Powerline Pass-Thru

ROUTER

PG-9182POE G.hn Powerline Power over Ethernet

PG-9182PT G.hn Powerline Pass-Thru

G Creating a Custom SSID & Password

13. If you would like a different SSID and Password than what is provided, you will need to change it via the Web management interface. Start your Web browser and input "192.168.0.10" in the address bar. Then press the "Enter" key.

14. You will then see the following displayed. Input the Username "root" and default password "1234". Then press the Login button to view the Web management interface.

IP:	192.168.0.10
Username:	root
Password:	••••

Login   Clear

15. Press the "Wireless Settings" section in the left-hand sidebar. Here you can adjust the SSID for the two Wireless bands.

16. Press the "Security Settings" section to adjust the Wireless security settings for the wireless bands.

H Troubleshooting

The following information should help you diagrnose basic set up 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.

2.4GHz LED 📶 **/5GHz LED** 📶⁵ **is OFF:** If the **2.4GHz LED/5GHz LED** are off, then it means the WiFi is not enabled. You can turn on both indicators, (i.e. enable WiFi) by pressing the **WiFi Button** ON/OFF on the side of the device. You can also login to the PG-9182AC Web Interface to enable the WiFi. Please refer to the User Manual for additional details.

To join an existing G.hn Powerline network, press the **Security Button** on any Powerline Adapter in the existing G.hn Powerline network for 3 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).

Power Specifications:

- I/P: 100-240Vac, 50/60Hz, 15A
- O/P: 100-240Vac, 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

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Caution: Exposure to Radio Frequency Radiation.

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Attention: exposition au rayonnement radiofréquence.

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.
2. Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

La bande 5 150-5 250 MHz est réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage

préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

FOR MORE HELP: For instructions on advanced features, FAQ, etc., please visit the PG-9182AC 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 (949) 753-9640