

Powerline Ethernet Adapter



## Quick Installation Guide



**COMTREND**

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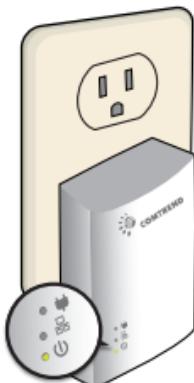
## Introduction

**NOTE:** Comtrend's Powerline Ethernet Adapter is sold as a single unit. An additional PowerGrid 9141s unit and Ethernet cable are required for each additional device (e.g. PC, modem/router) you wish to connect to the network, with a minimum of 2 units required for setup.

## A. Initial Setup

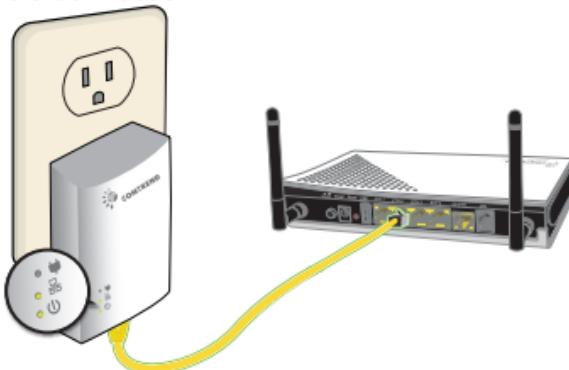
The following steps show how to connect a PowerGrid 9141s to a modem or router.

1. Ensure that your modem or router is powered on.



2. Plug a PowerGrid 9141s unit into the power socket closest to the modem/router. The **POWER LED** will blink **GREEN**.

3. Connect the PowerGrid 9141s unit to the LAN port of the modem/router with an Ethernet (RJ-45) cable. Wait 10 seconds for the PowerGrid's **Ethernet LED** and **Power LED** to light up **GREEN** indicating a stable connection.

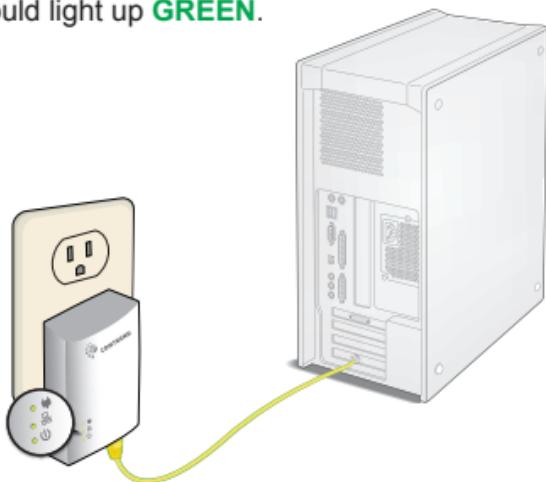


## B. Device Connection

These steps show how to connect a PowerGrid 9141s to any network device. In this case, we use a computer as an example.

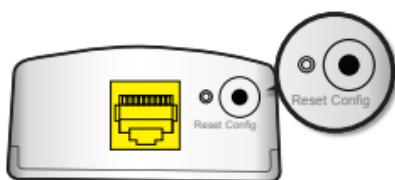
1. Turn on your PC (or other network device).
2. Plug a PowerGrid 9141s into the power socket closest to the PC.

3. Connect the PowerGrid 9141s to the computer with an Ethernet cable. The **Ethernet LED** and **Power LED** on the PowerGrid 9141s should light up **GREEN**.



4. The **STATUS LED** on the PowerGrid 9141s will be either **RED**, **GREEN** or **ORANGE**, which displays the quality of the network traffic:

- a. Green indicates excellent.
- b. Orange indicates good.
- c. Red indicates standard quality (bit rate).



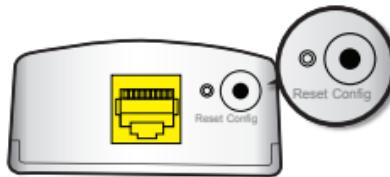
5. If the Status LED is not **GREEN**, press the "Config" button on both PowerGrid 9141s for 2-5 seconds. Upon successful connection of the additional PowerGrid 9141s, the STATUS LED will light up **Green**.

6. If the status led is not Green, please consult the information in **Part D. Troubleshooting.**

## C. Adding a New Device

To add additional PowerGrid 9141s devices to your network, repeat steps from section B.

Plug the additional PowerGrid 9141s into a socket, and then connect it to the network device (e.g. computer, set-top-box, game console, etc...) via the Ethernet (RJ-45) cable.



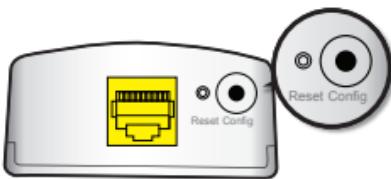
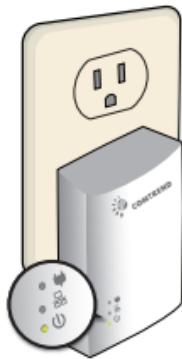
Press the **Config** button of one PowerGrid 9141s already installed in your network for 2-5 seconds; within two minutes press the second PowerGrid 9141s for 2-5 seconds. Upon successful connection of the additional PowerGrid 9141s, the **STATUS LED** will light up Green.

If the connection process is not successful, please refer to Part D for troubleshooting:

## D. Troubleshooting

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

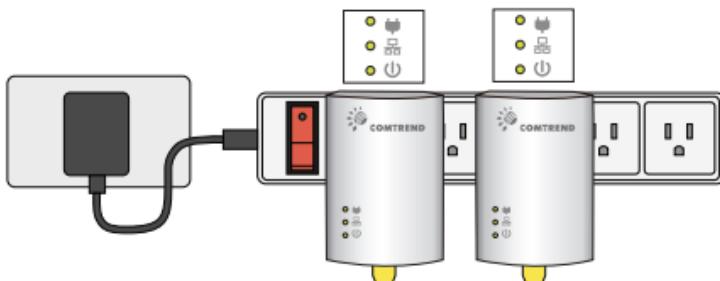
- 1) The POWER LED BLINKS AND OTHER LEDs are OFF:** The **POWER LED** blinks and other LEDs switch off when a PowerGrid 9141s unit enters power saving mode. This occurs 30 seconds after the Ethernet connection is lost (see below).



- 2) The ETHERNET LED is OFF:** If the **Ethernet LED** fails to light up, check that the LAN port of the PowerGrid unit is connected firmly to the LAN port of the other device (e.g. computer, set-top-box, game console, etc...). If it still won't connect, try to use another Ethernet cable to test the same connection.

**3) The STATUS LED is OFF:** Plug the problematic PowerGrid 9141s into a power socket next to another working PowerGrid 9141s unit with both devices connected by Ethernet cable to their respective devices (e.g. PC, Router, Set Top Box, etc...). After approximately 10 seconds the **STATUS LED** should light up **GREEN**.

If you have tried both solutions above and are still experiencing problems, you can reset both devices to factory default by using a pin to push in the **Reset** button for 10-15 seconds (until all the LEDs blink).



If the **POWER LED** on any of the PowerGrid units (in the network) do not light up Green, press the Config button on the problematic PowerGrid 9141s unit for more than 10 seconds to disconnect it from the network. Then, go to section C and complete the installation steps again. If you still experience problems, please contact your local reseller for further assistance.



**SURGE PROTECTED POWER STRIPS:** Avoid plugging PowerGrid units into power strips with surge protection as this will reduce network speed and may even prevent their use.

