



## Quick Installation Guide



# PG-9142s

Powerline Ethernet Adapter  
with WiFi

# Introduction

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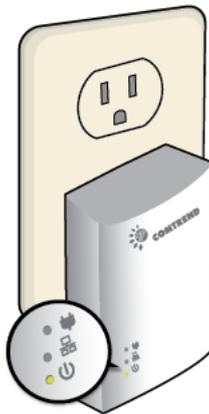
**NOTE:** An additional PowerGrid 9142s (or PG-9141s or PG-9141s-PoE unit) and Ethernet cable are required for each additional device (e.g. PC, Camera, Access Point) that you wish to connect to the network, with a minimum of 2 units required for setup.

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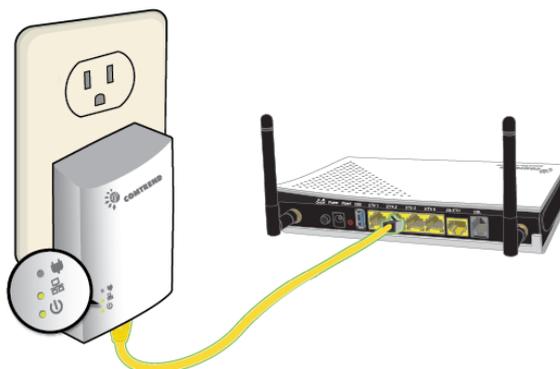
## A. Initial Setup

**NOTE:** These steps show how to connect a PowerGrid 9141s unit to a modem or router. This guide assumes that a PowerGrid 9141s will be the primary connection to the modem/router and the PowerGrid 9142s will be used within the network to connect to a WiFi capable device (e.g. Tablet, IP Phone, Access Point).

1. Ensure that your modem or router is powered on.
2. Plug a PowerGrid 9141s unit into the power outlet closest to the modem/router. The **Power LED** will blink **GREEN**.



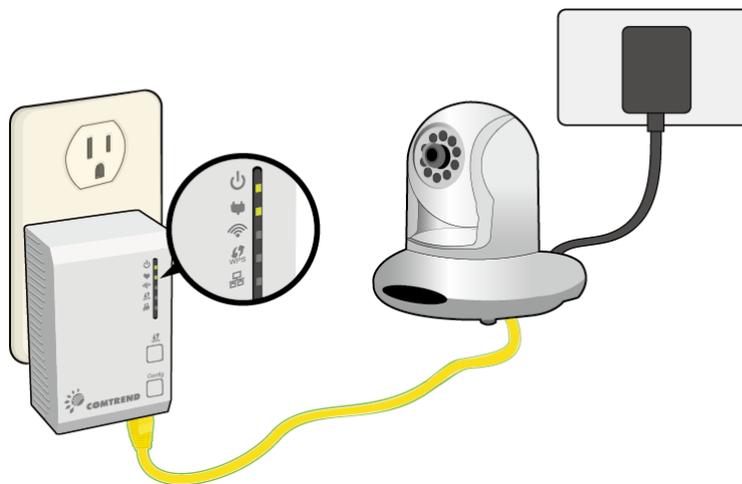
3. Connect the PowerGrid 9141s unit to the LAN port of the modem/router with an Ethernet (RJ-45) cable. Wait 10 seconds for the PowerGrid's **ETHERNET LED** and **POWER LED** to light up **GREEN** indicating a stable connection.



## B. Device Connection

These steps show how to connect a PowerGrid 9142s to a network device. Below we use an Ethernet camera as a network device.

1. Plug a PowerGrid 9142s unit into the power outlet closest to the camera or other device. The **Power LED** on the PowerGrid 9142s should light up **GREEN**.
2. Power on your camera (or Ethernet device). Connect the PowerGrid 9142s to the camera with an Ethernet cable. The **ETHERNET LED** on the PowerGrid 9142s should light up **GREEN**.



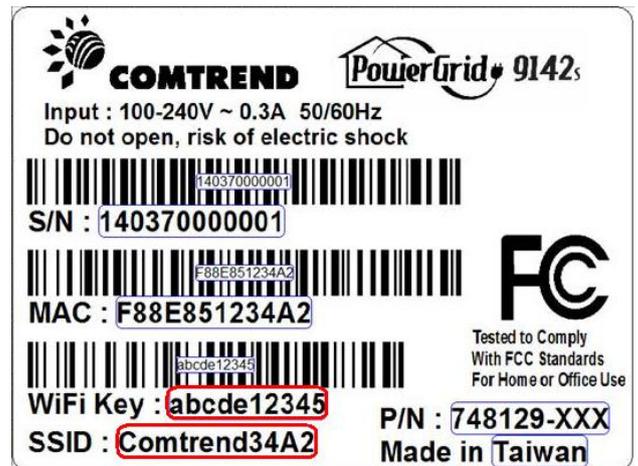
3. The **Status LED** on the PowerGrid 9142s(s) should now be **RED**, **GREEN** or **ORANGE**.
4. If the **Status LED** is off, press the **"Config"** button on each of the two PowerGrid 9142s and 9141s devices for 2-11 seconds. Upon successful connection of the PowerGrid 9141s, the **STATUS LED** will light up.
5. If the connection process is not successful, please refer to the trouble shooting steps in section D.

## C. Adding a New Device

Follow steps 1-4 in Part B to add additional PowerGrid 9142s devices to the network. Press the **"Config"** button on the new device and one other PowerGrid device in the network so they can pair and transmit data successfully.

## D. PowerGrid 9142s WiFi setup

1. To connect your WiFi device (e.g. computer, tablet, smartphone) to the PowerGrid 9142s WiFi adapter, go to your device's WiFi settings to search for -and select- the SSID that is located on your PowerGrid 9142s device label.



2. When prompted, input the WiFi key located on the PowerGrid 9142s device label to connect.
3. You should now be successfully connected to the PowerGrid 9142s WiFi network.

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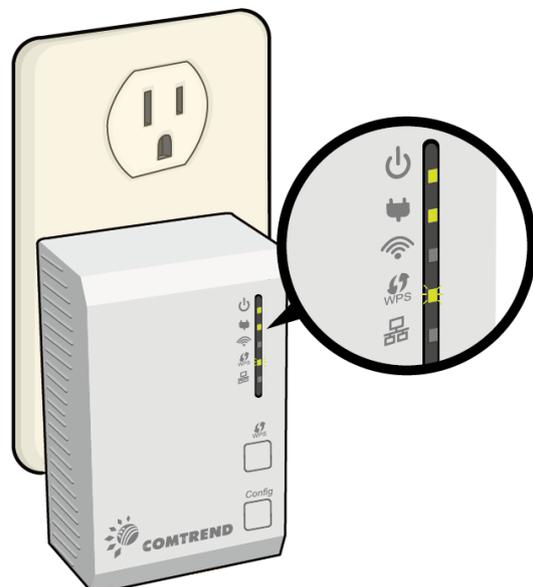
**Note:** To configure the WiFi settings of your PowerGrid 9142s using a desktop computer/laptop via an Ethernet cable, please refer to section 2-2 & 2-3 of your user manual for more details.

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## E. WPS Setup

If your client (e.g. smartphone, notebook, tablet) supports WPS (WiFi Protected Setup) then you can use this method to set up your PowerGrid 9142s' WiFi network.

1. Press and hold the WPS button for more than 2 seconds on the PowerGrid 9142s to activate its WPS. The PowerGrid 9142s' WPS LED should flash to indicate a WPS connection is in progress.



2. Within two minutes, press the WPS button (often the WPS/Reset button) on your client to activate WPS.

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**Note:** Please check the instructions for your wireless client for how long you need to hold down its WPS button to activate WPS.

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3. The devices will establish a connection. You can now connect to the PowerGrid 9142s' wireless network with a WiFi device, as described in section B. To confirm a successful connection you can see if your client device (e.g. smartphone, notebook, tablet) displays the WiFi connected icon. 

## F. Troubleshooting

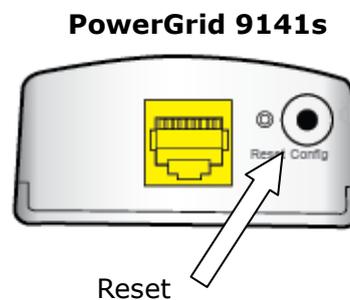
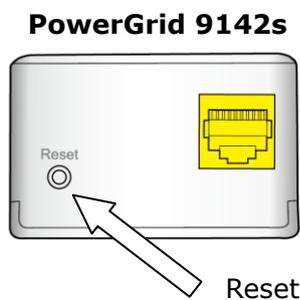
The following information should help you diagnose basic setup or installation problems.

	POWER
	STATUS
	WLAN
	WPS
	ETHERNET

1. **POWER LED is OFF:** If the **POWER LED** goes off, please make sure that your power outlet is working properly (perhaps by testing with another device). Then plug in your PowerGrid 9142s again. If the **POWER LED** does not light up, please contact your equipment supplier for further information.

2. **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. To check the condition of the Ethernet cable, use another cable to test the same connection.
3. **STATUS LED is OFF:** Plug both PowerGrid units that you're attempting to pair into power outlets that are within the same room; both PowerGrid devices should have an Ethernet cable connected to their respective devices (e.g. PC, Router, Set Top Box, camera, etc.). After 10 seconds (approximately, until all the LEDs of the device blink), the **STATUS LED** should light up **GREEN**. If not, press the "**Config**" button on each for 2-5 seconds and let go.

\* If you have tried all of the above and are still experiencing problems, you can reset both devices to factory default by using a pin - PowerGrid 9141s and button - PowerGrid 9142s to push the "**Reset**" button of each device for 11 seconds. The WPS LED will flash every second. After the "**Reset**" button is released, the WPS LED will be steady ON for around 5 seconds, then the system will reboot to factory defaults.



**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.

**FOR MORE HELP:** If you have further questions or require personal assistance, please contact your equipment supplier or service provider.



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