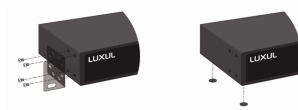# SW-505-8P-R Managed PoE+ Switch

Quick Installation Guide

Placement

1. Attach either the rack mounting ears or the adhesive feet.
2. If applicable, mount the device in the rack.

Connections for service

1. Connect one of the LAN ports on your router to one of the unpowered Gigabit Ethernet ports on the switch.

Connect devices to the Gigabit PoE+ ports...   ...Or the unpowered Gigabit Ethernet ports

Not the console port!   Adapter required for Gigabit SFP ports

2. Connect your PoE/PoE+ powered devices to the Gigabit PoE+ ports.

3. Use either the unpowered Gigabit Ethernet ports or the SFP ports (with the appropriate modules) for devices that have their own power. *SFP modules are not included with this product.*

4. Connect the power cord to the switch and to a properly grounded power outlet. The switch takes a minute or more to boot.
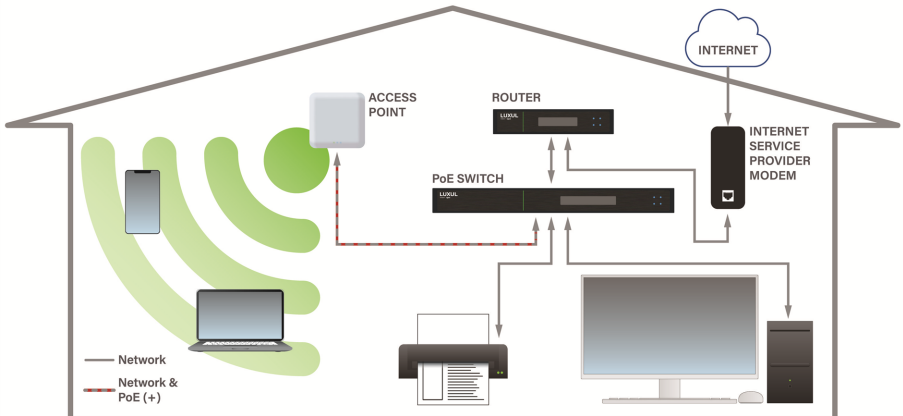
Advanced configuration

The default network settings work for most at-home offices and other small networks, so you might not need to change anything. *Skip this section* unless you know that you need to make configuration changes on the switch.

1. Connect your computer to one of the Gigabit Ethernet or Gigabit PoE+ ports on the switch. Do not connect to the console port.

2. In a web browser, go to the switch's IP address. You can usually find this in the router's DHCP client list, or by using IP address scanning software.

   If the switch does not receive a DHCP address within about 3 minutes of turning on, it fails over to its **default IP address: 192.168.0.3**.

   The default IP address is also listed on the label on the bottom of the device as *IP: DHCP Failover*.

3. If the device has not been in service already, log in as `admin`, with the password `admin`, and change the password. You only need to do this the first time you log in, or after restoring factory defaults. In either situation, a setup wizard starts when you set the password, to guide you through the settings.

   If the device has been in service, log in as `admin`, with the current password.

4. Be sure the switch is using the latest firmware before using advanced features. Updates are available at https://www.legrandav.com/resources/firmware-updates/luxul-firmware.
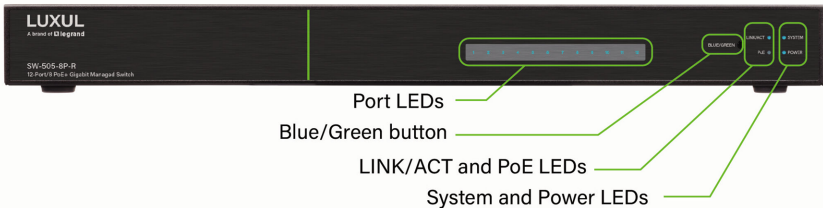
5. Make the configuration changes needed for your network, then log out.

   If you need more information about any setting, select the question mark icon to open the help for that item.
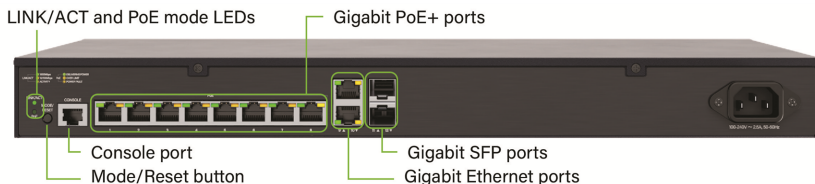
You're all done!

The rest of this guide is reference information. Thanks for reading!

What's on the front panel

Port LEDs
Blue/Green button
LINK/ACT and PoE LEDs
System and Power LEDs

Port LEDs	On = device is connected
Blue/Green button	Front display behavior: blue display, green display, or LEDs off
LINK/ACT and PoE LEDs	Information on port LEDs – Link activity and speed (default), or PoE status
System LED	Blinking = normal operation On = error; press the Mode/Reset button on the back to reboot
Power LED	On = system has power

What's on the back panel

LINK/ACT and PoE mode LEDs — Gigabit PoE+ ports

Console port
Mode/Reset button
Gigabit SFP ports
Gigabit Ethernet ports

LINK/ACT and PoE LEDs	Information on port LEDs – Link activity and speed (default), or PoE status
Mode/Reset button	Tap to change between LINK/ACT and PoE modes Press and hold until the System LED blinks and all port lights turn off (typically 2 to 4 seconds) to reboot Press and hold until the System LED blinks and all port lights turn on (typically 7 to 10 seconds) to restore factory default settings
Console port	RS-232; use Cisco compatible console cable (115200 8N1)
Gigabit PoE+ port LEDs (LINK/ACT mode)	Green on: Device connected, 1 Gbps Amber on: Device connected, 10/100 Mbps Green or amber blinking: Receiving or transmitting data Lights off: No device connected
Gigabit PoE+ port LEDs (PoE mode)	Green on: Providing power to the connected device Amber on: Overload – device is drawing too much power Blinking: PoE fault – check cable; check device requirements Lights off: Not providing PoE power
Gigabit Ethernet port LEDs (LINK/ACT mode)	Green on: Device connected, 1 Gbps Amber on: Device connected, 10/100 Mbps Green or amber blinking: Receiving or transmitting data Lights off: No device connected
Gigabit Ethernet port LEDs (PoE mode)	Lights off
SFP port LEDs (LINK/ACT mode)	Green: Device connected, 1 Gbps Amber: Device connected, 100Mbps Blinking: Receiving or transmitting data Lights off: No device connected
SFP port LEDs (PoE mode)	Lights off

Things to know about PoE/PoE+

This switch can power PoE (802.3af) and PoE+ (802.3at) devices.

- PoE/PoE+ devices don't need a mid-span power injector when connected to a PoE+ switch.
- You can safely connect non-PoE devices to the Gigabit PoE+ ports. The switch only supplies PoE if the connected device needs it.
- You can connect a PoE device to a PoE+ port! The device only draws as much power as it needs.

How many PoE/PoE+ devices can this switch power?

The switch has a total PoE budget of 130 watts; the total power consumption of the devices you connect must be less than that.

Check devices' power consumption in the switch's user interface. For some devices, it will vary significantly. Devices' labels may list the maximum power consumption. If voltage and current are given instead, calculate it: Watts (W) = voltage (V) x current (A).

Identifying and correcting PoE problems

If the system LED is not blinking or if at least one port stops working, there's a problem.

1. If the Link/Act LED is on, tap the Mode/Reset button to change to PoE display mode. If none of the ports have amber or blinking LEDs, it's not a PoE problem.

2. If the LEDs on one or more ports are off (no power to the ports), the sum of the connected devices' power requirements may exceed the PoE budget. Disconnect low-priority PoE/PoE+ devices until the remaining PoE devices all have power.

3. If a port's amber LED is on, the connected device is drawing too much power. Disconnect the device.

4. Tap the Mode/Reset button to go back to the default link activity (Link/Act) mode.

How do I...

...Access the advanced configuration settings?
In a web browser, go to the device's IP address and log in as admin.

...Restart my device?
Press and hold the Mode/Reset button until the System LED blinks and the port LEDs turn off.

...Restore factory default settings?
Press and hold the Mode/Reset button until the System LED blinks and the port LEDs all turn off and back on (about 10 seconds).

...Respond appropriately to a volcano erupting?
Run. And contact us afterward if you need new network equipment.

Learn more about Luxul products at Legrand AV University!

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