

## Installation Guide

5/8-Port Gigabit Desktop Switch

**LiteWave** LS1005G/LS1008G

### Power



Power

On: Power on

Off: Power off

### Link/Act



Link/Act (Green)

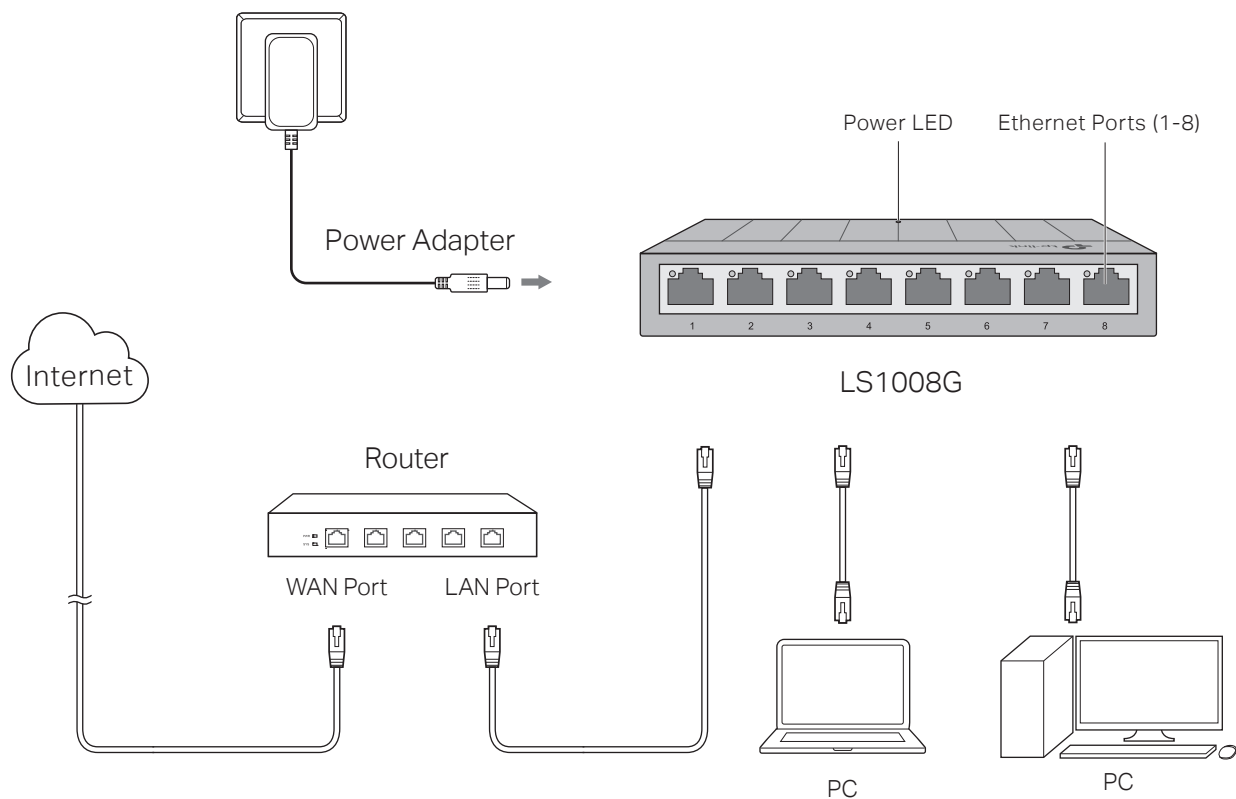
On: Running at 10/100/1000Mbps

Off: No device is linked to the corresponding port

Flashing: Transmitting/receiving data

**Note:** For simplicity, we will take LS1008G for example throughout this Guide.

## Connection



# Frequently Asked Questions (FAQ)

## Q1. The Power LED is not lit.

The Power LED should be lit when the power system is working normally. If the Power LED is not lit, check as follows:

- A1: Make sure the power adapter is connected to the switch with power source properly.
- A2: Make sure the voltage of the power supply meets the requirements of the input voltage of the switch.
- A3: Make sure the power source is ON.

## Q2. The Link/Act LED is not lit when a device is connected to the corresponding port.

It is recommended that you check the following items:

- A1: Make sure that the cable connectors are firmly plugged into the switch and the device.
- A2: Make sure the connected device is turned on and works normally.
- A3: The cable must be less than 100 meters long (328 feet).

# Specifications

## General Specifications

|                                 |                                                                                                                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                        | IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3x                                                                                                                                                                                                                          |
| Protocol                        | CSMA/CD                                                                                                                                                                                                                                                                             |
| Data Transfer Rate              | Ethernet: 10Mbps (Half Duplex), 20Mbps (Full Duplex)<br>Fast Ethernet: 100Mbps (Half Duplex), 200Mbps (Full Duplex)<br>Gigabit Ethernet: 2000Mbps (Full Duplex)                                                                                                                     |
| Network Media (Cable)           | 10Base-T: UTP category 3, 4, 5 cable (maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m)<br>100Base-TX: UTP category 5, 5e cable (maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m)<br>1000Base-T: UTP category 5e cable (maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m) |
| Interface                       | 5/8 10/100/1000Mbps Auto-Negotiation RJ45 Ports                                                                                                                                                                                                                                     |
| LED Indicators                  | Power, Link/Act LED                                                                                                                                                                                                                                                                 |
| Transfer Method                 | Store-and-Forward                                                                                                                                                                                                                                                                   |
| MAC Address Learning            | Automatically learning, automatically aging                                                                                                                                                                                                                                         |
| Frame Forward Rate              | 10Base-T: 14881pps/Port<br>100Base-TX: 148810pps/Port<br>1000Base-T: 1488095pps/Port                                                                                                                                                                                                |
| Wall Mountable                  | Yes                                                                                                                                                                                                                                                                                 |
| Distance Between Mounting Holes | LS1005G: 38mm<br>LS1008G: 48mm                                                                                                                                                                                                                                                      |

## Environmental and Physical Specifications

|                       |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | 0 °C to 40 °C (32 °F to 104 °F) |
| Operating Humidity    | 10% to 90%RH non-condensing     |
| Storage Humidity      | 5% to 90%RH non-condensing      |



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If you have any suggestions or needs on the product guides, welcome to email [techwriter@tp-link.com.cn](mailto:techwriter@tp-link.com.cn).



## Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/ce>.