

Installation Guide

5/8-Port Gigabit Desktop Switch

LiteWave LS105G/LS108G

Power

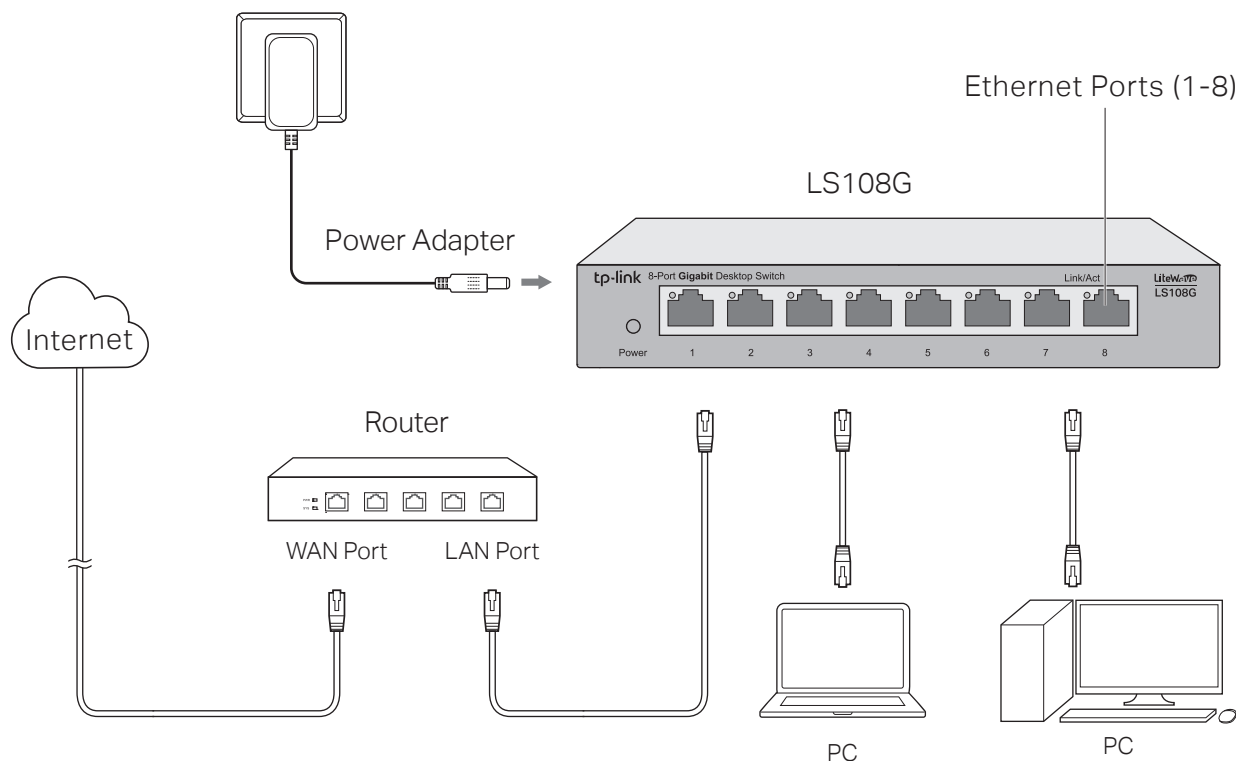
- On: Power on
- Off: Power off or power supply is abnormal
- Flashing: Power off or power supply is abnormal

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 LS108G 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, IEEE802.1p |
| Protocol | CSMA/CD |
| Data Transfer Rate | Ethernet: 10Mbps (Half Duplex), 20Mbps (Full Duplex) Fast Ethernet: 100Mbps (Half Duplex), 200Mbps (Full Duplex) Gigabit Ethernet: 2000Mbps (Full Duplex) |
| Network Media (Cable) | 10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100Base-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000Base-T: UTP category 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) |
| Interface | 5/8 10/100/1000Mbps Auto-Negotiation RJ45 Ports |
| LED Indicators | Power, Link/Act LED |
| Advanced Features | QoS (802.1p/DSCP Priority) |
| Transfer Method | Store-and-Forward |
| MAC Address Learning | Automatically learning, automatically aging |
| Frame Forward Rate | 10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port 1000Base-T: 1488095pps/Port |
| Wall Mountable | Yes |
| Distance Between Mounting Holes | LS105G: 76mm LS108G: 65mm |

Environmental and Physical Specifications

| | |
|-----------------------|--------------------------------|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| Operating Humidity | 10% to 90%RH non-condensing |
| Storage Humidity | 5% to 90%RH non-condensing |

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For technical support and other information, please visit <https://www.tp-link.com/support/?type=smb>, or simply scan the QR code.



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/support/ce/>

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.
The original UK declaration of conformity may be found at <https://www.tp-link.com/support/ukca/>