



# Installation Guide

10/100 Mbps Desktop Switch

## LED Explanation

### Power

On: Power on

Off: Power off

### Link/Act

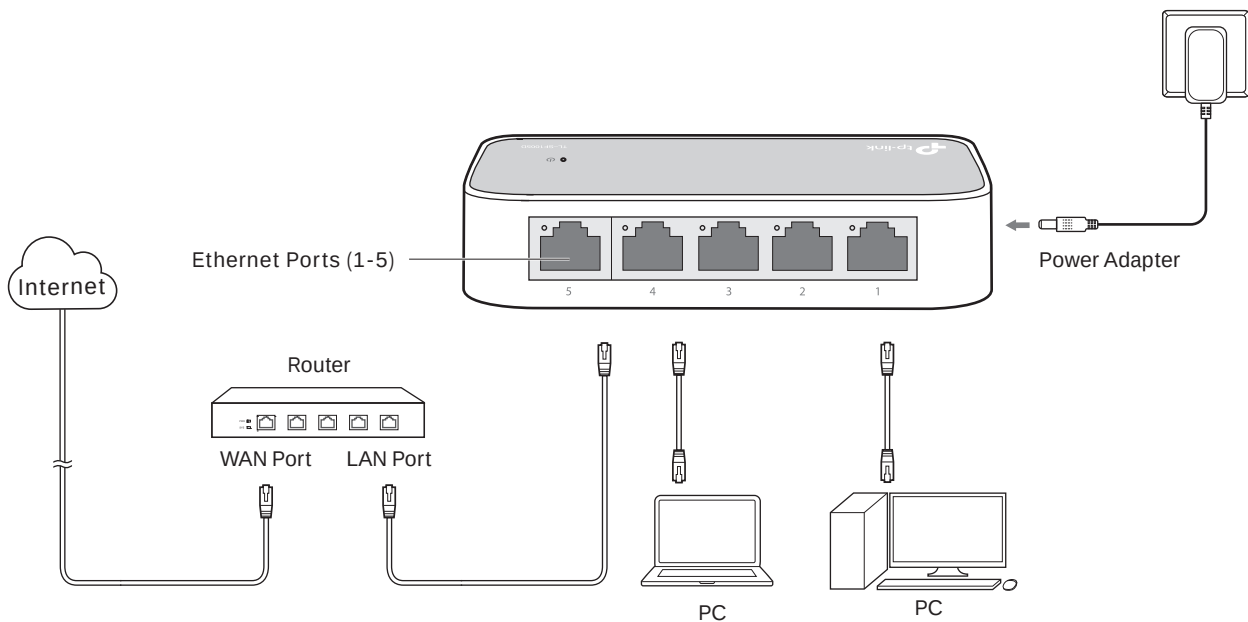
On: Link present but no activity

Flashing: Transmitting/receiving data

Off: No link

For simplicity, we will take TL-SF1005D 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, please check as follows:

- A1: Make sure the power cord 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 working well.
- A3: The cable must be less than 100 meters long (328 feet).



To ask questions, find answers, and communicate with TP-Link users or engineers, please visit <https://community.tp-link.com> to join TP-Link Community.



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



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).



## EU declaration of conformity

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>.



# Specifications

## General Specifications

|                                 |                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                        | IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x                                                                                                                |
| Protocol                        | CSMA/CD                                                                                                                                                          |
| Interface                       | 5/8/16/24 10/100 Mbps Auto-Negotiation RJ45 Ports                                                                                                                |
| Network Media (Cable)           | 10BASE-T: UTP category 3, 4, 5 cable (≤100 m)<br>EIA/TIA-568 100Ω STP (≤100 m)<br>100BASE-TX: UTP category 5, 5e cable (≤100 m)<br>EIA/TIA-568 100Ω STP (≤100 m) |
| LED Indicators                  | Power, Link/Act LEDs                                                                                                                                             |
| Data Transfer Rate              | Ethernet: 10 Mbps (Half Duplex), 20 Mbps (Full Duplex)<br>Fast Ethernet: 100 Mbps (Half Duplex), 200 Mbps (Full Duplex)                                          |
| Transfer Method                 | Store-and-Forward                                                                                                                                                |
| MAC Address Learning            | Automatically learning, automatically aging                                                                                                                      |
| Frame Forward Rate              | 10Base-T: 14881 pps/Port<br>100Base-Tx: 148810 pps/Port                                                                                                          |
| Wall Mountable                  | TL-SF1005D, TL-SF1008D: No<br>TL-SF1016D, TL-SF1024M: Yes                                                                                                        |
| Distance Between Mounting Holes | TL-SF1016D: 157.2 mm<br>TL-SF1024M: 178 mm                                                                                                                       |

## 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      |

## 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.
- Place the device with its bottom surface downward.
-  Use only power supplies which are provided by manufacturer and in the origin packing of this product. If you have any questions, please don't hesitate to contact us.