Installation Guide

5/8/16-Port Gigabit Easy Smart Switch

LED Explanation

Power

Power — **On:** Power on; **Off:** Power off

Link/Act

1000 Mbps (Green)
On: Running at 1000 Mbps
Flashing: Transmitting/receiving data

10/100 Mbps (Yellow)
On: Running at 10/100 Mbps
Flashing: Transmitting/receiving data

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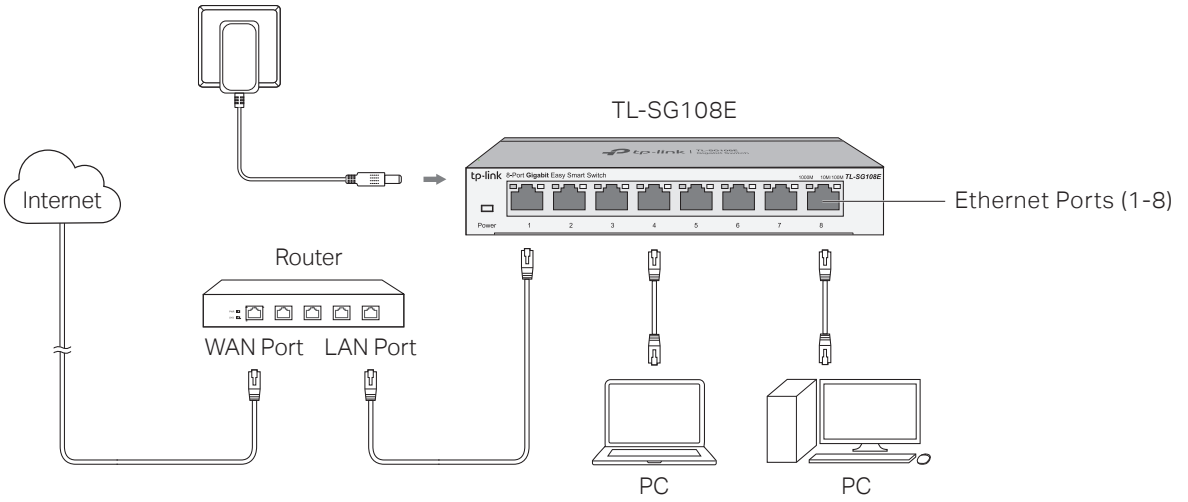
Note: For simplicity, we will take TL-SG108E for example throughout this Guide.

Connection



Configuration

The switch is plug and play. To configure the switch, you can use the Web-based GUI or the configuration utility.
The utility is only supported on Windows now.

Using the Web-based GUI

1. Find out the IP address of the switch.
   - By default, the switch receives an IP addess from a DHCP server (or a router that functions as a DHCP server) in your network. You can find out this IP address on the DHCP server.
   - If the switch cannot receive an IP address from a DHCP server, it uses the static IP address of **192.168.0.1**, with a subnet mask of **255.255.255.0**.
2. Configure IP address on your PC to make sure the switch and PC are in the same subnet.
   - If the switch uses an IP address assigned by a DHCP server, set your PC to obtain an IP address automatically from the DHCP server.
   - If the switch uses **192.168.0.1** as the IP address, configure your PC's IP address as **192.168.0.x** ("x" ranges from 2 to 254), and subnet mask as **255.255.255.0**.
3. Launch a web browser on your PC, enter the IP address of the switch in the address bar and press **Enter**. Log in with **admin** as both user name and password.

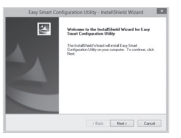
Now you can configure the switch using the Web-based GUI. For further information, refer to the **User Guide**.

Go to https://www.tp-link.com/support, search the model number of your switch, and you can find this guide on the product **Support** web page.

Note: If the switch gets a new IP address from the DHCP server, your connection to the switch will be lost. Enter the new IP address in your browser to access the switch again.

Using the Configuration Utility

1. Go to https://www.tp-link.com/support and search the model number of your switch. Download the **Easy Smart Configuration Utility** from the product **Support** web page on your PC.
2. Decompress the downloaded file, run the installation wizard and follow the prompts to install the **Easy Smart Configuration Utility**.



3. Double click the icon on the desktop, and the utility Home page will display a list of TP-Link switches on the local network.

4. Click to find out IP parameters of the switch.
   - If the switch uses an IP address assigned by a DHCP server, set your PC to obtain an IP address automatically from the DHCP server.
   - If the switch uses **192.168.0.1** as the IP address, configure your PC's IP address as **192.168.0.x** ("x" ranges from 2 to 254), and subnet mask as **255.255.255.0**.

5. Double click the switch that you want to configure. Log in with **admin** as both user name and password.

Now you can configure the switch using the configuration utility. For further information, refer to the **Easy Smart Configuration Utility User Guide**.

Go to https://www.tp-link.com/support, search the model number of your switch, and you can find this guide on the product **Support** web page.

Specifications

General Specifications

Standard	IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.1p, IEEE802.1q
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10 Mbps (Half Duplex), 20 Mbps (Full Duplex) Fast Ethernet: 100 Mbps (Half Duplex), 200 Mbps (Full Duplex) Gigabit Ethernet: 2000 Mbps (Full Duplex)
Network Media (Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 100Base-TX: UTP category 5, 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 1000Base-T: UTP category 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m)
Interface	5/8/16 10/100/1000 Mbps Auto-Negotiation RJ45 Ports
LED indicators	Power, 10/100 Mbps LED, 1000 Mbps LED
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically aging
Frame Forward Rate	10Base-T: 14881 pps/Port 100Base-TX: 148810 pps/Port 1000Base-T: 1488095 pps/Port
Wall Mountable	Yes
Distance Between Mounting Holes	TL-SG105E: 52 mm TL-SG108E: 110 mm TL-SG116E: 200 mm

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% RH to 90% RH non-condensing
Storage Humidity	5% RH to 90% RH non-condensing

Frequently Asked Questions (FAQ)

Q1. Why is the Power LED not lit?

By default, the Power LED should be lit when the power system is working normally. If the Power LED is not lit, please try the following:

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.

A4: (For TL-SG105E and TL-SG108E) On the LED On/Off configuration page, check whether the LED status is on. By default, the LED status is on.

Q2. Why is the Link/Act LED not lit while a device is connected to the corresponding port?

Please try the following:

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).

A4: (For TL-SG105E and TL-SG108E) On the LED On/Off configuration page, check whether the LED status is on. By default, the LED status is on.

Some models featured in this guide may be unavailable in your country or region. For local sales information, visit https://www.tp-link.com.

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**.

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.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- 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.

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.