

# LP-SW811 10/100M Fast Ethernet Switch. USER'S GUIDE.

LPSW811\_UG\_ENB01W



## LP-SW811 10/100M Fast Ethernet Switch. USER'S GUIDE.

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**Table of Contents**

**1.- Package Contents.....3**

**2.- Chapter 1: Introduction .....3**

**1.1 Overview of the product .....3**

**1.2 Features.....3**

**3.- Chapter 2: Installation.....3**

**2.1 Installation.....3**

**2.2 Power on.....4**

**4.- Chapter 3: Identifying External Components.....4**

**3.1 Front Panel.....4**

**3.2 Rear Panel .....4**

**3.3 LED indicators.....4**

**5.- Appendix A: Specifications.....5**

**General.....5**

**Environmental and Physical.....5**

**6.- Appendix B: Troubleshooting.....6**

**7.- Appendix C: Contact Information.....6**

## 1 Package Contents

The following contents should be found in your box:

- One LP-SW811 Switch.
- One AC power Adapter.
- This User's Guide.
- Wall-mounting screws.

Note: If any of the above contents is damaged or missing, please contact the retailer from whom you purchased the LP-SW811 Switch for assistance.

## 2 Chapter 1: Introduction

There is one status LED indicator on the side of the wireless network adapter. It lights up and stays ON when working correctly, and flashes when transferring data.

### 1.1 Overview of the product

LP-SW811 is 8 ports 10/100Mbps Auto-Negotiation Ethernet Switch. All ports support Auto MDI/MDIX function, each port can be used for general port or Uplink port. The **LanPro** 8-port Fast Ethernet Switch, LP-SW811, provides you a low-cost, easy-to-use, high-performance, seamless and standard switch to upgrade old network to 100Mbps network. It will boost your network performance up to full duplex data transfer. Its wire-speed switching that forwards packets can be as fast as the speed that your network delivers those packets to them.

### 1.2 Features

- Complies with IEEE802.3, IEEE802.3u standards.
- 8 10/100Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX.
- Supports IEEE802.3x flow control for Full Duplex mode and backpressure for half-duplex modeWall-mounting screws.
- Supports MAC address auto-learning and auto-aging.
- LED indicators for monitoring power, link, activity.
- Plastic case.
- External Power Adapter supply.

## 3 Chapter 2: Installation

### 2.1 Installation

To install the Switch, please follow the steps:

- 1 You can place the Switch on a flat surface or a wall.
- 2 Please verify carefully the Power Adapter, make sure it is properly connected to a power source.
- 3 Be sure to leave enough space for heat dissipation and good ventilation in the Switch. Don't place heavy objects on the Switch.

**2.2 Power on**

After the Switch powers up, it will be automatically initialized and the LED indicators should respond as follows:

- 1 All of the Link/Act LED indicators will flash momentarily, meaning the switch is being reset.
- 2 The Power LED indicator will light up.

**4 Chapter 3: Identifying External Components**

This Chapter describes the front panel, rear panel and LED indicators of the Switch. The sketches of the front panel, rear panel and LED indicators are very similar between LP-SW811. The following sketches are for LP-SW811.

**3.1 Front Panel**

The front panel of the LP-SW811 consists of several LED indicators.

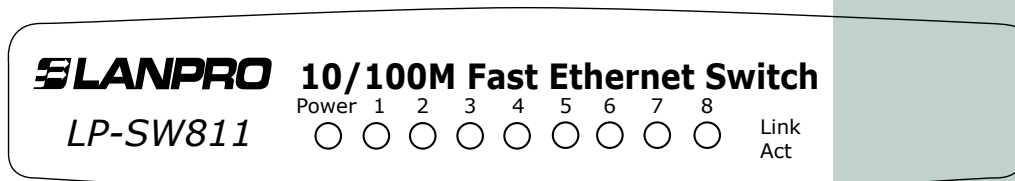


Figure 3-1 LP-SW811 Switch Front Panel sketch

**3.2 Rear Panel**

The rear panel of the LP-SW811 consists of 8 10/100Mbps RJ45 Ports. All ports can be the Uplink port, and the "Uplink" mark under Port 8 can be ignored.

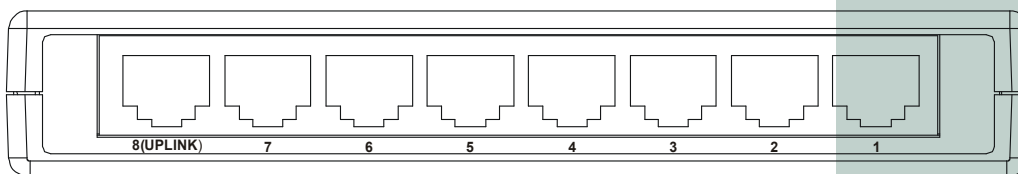


Figure 3-2 LP-SW811 Switch Rear Panel sketch

**LED indicators**

The LED indicators include Power LED and Link/Act LEDs. The LED indicators are used for monitoring and troubleshooting of the Switch. The following section shows the LED indicators for the Switch along with an explanation of each indicator.

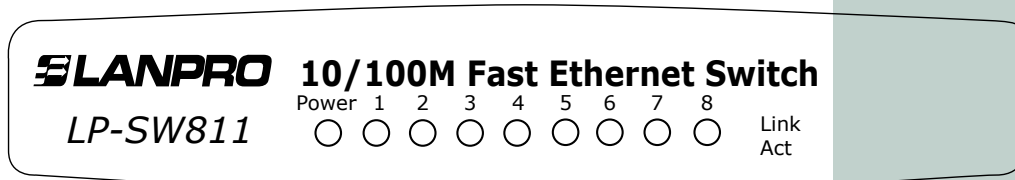


Figure 3-3 LP-SW811 Switch LEDs sketch

- **Power LED:** This indicator will light up when the Switch powers up. If the LED is not lit, please check the power adapter and connection.
- **LINK/ACT LEDs:** These LEDs indicate Link/Active status. One LED indicator will light green when a device is connected to the corresponding port. It flashes when data is being transmitted or received on the connection. External Power Adapter supply.

## 5 Appendix A: Specifications

General	
Standards	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
Topology	Star
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (Half Duplex), 20Mbps (Full Duplex); Fast Ethernet: 100Mbps (Half Duplex), 200Mbps (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)
Number of Ports	8 10/100Mbps Auto-Negotiation ports
LED indicators	Power, Link/Act
Transfer Method	Store-and-Forward
MAC Address Learning	Automatic learning, automatic update
Frame Filter Rate	10BASE-T: 14880pps/Port; 100BASE-TX: 148800pps/Port
Frame Forward Rate	10BASE-T: 14880pps/Port; 100BASE-TX: 148800pps/Port

Environmental and Physical	
Dimensions(W×D×H)	140mm×85mm×30mm (5.5"×3.3"×1.2")
Power Supply	AC Power Adapter: Output 9VAC 0.8A
Power consumption	LP-SW811: 3.1W (maximum)
Operating Temperature	0°C~40°C (32°C~104°C)
Storage Temperature	-40~70°C (-40°C~158°C)
Operating Humidity	10%~90% non-condensing
Storage humidity	5%~95% non-condensing

## 6 Appendix B: Troubleshooting

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### ● 1. The Power LED is not lit

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- Make sure the AC power Adapter connected to the switch has the proper power source.
- Make sure the power source is ON.
- Make sure you are using the LANPRO power adapter supplied with your switch.

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

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- Make sure the cable connectors are firmly plugged in the Switch and the device.
- Make sure the connected device is turned on and its adapter is installed correctly and is working.
- Make sure the cable is less than 100 meters (328 feet).

## 7 Appendix C: Contact Information

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For help with the installation or operation of the **LanPro** LP-SW811 Switch, please contact us.

E-mail: [support@lanpro.com](mailto:support@lanpro.com)

Website: <http://www.lanpro.com>