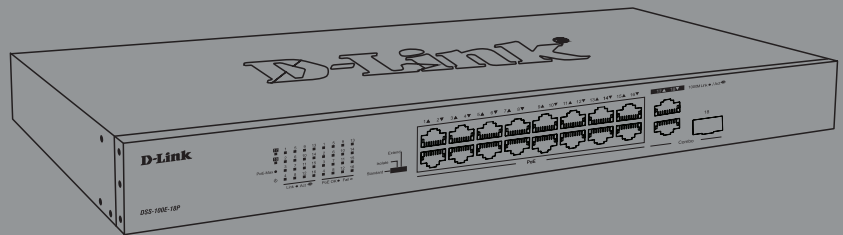




Quick Installation Guide

This document will guide you through the basic installation process for your new D-Link 18-Port Unmanaged PoE Switch

DSS-100E-18P



Documentation is also available on the D-Link website

Before You Begin

This Quick Installation Guide gives you step-by-step instructions for setting up your DSS-100E-18P 18-Port Unmanaged PoE Switch. The model you have purchased may appear slightly different from the one shown in the illustrations. For more detailed information about the switch, please refer to the User Manual.

Package Contents

This DSS-100E-18P package should include the following items:

- 1 x DSS-100E-18P
- 1 x Power cord
- 1 x Rack mount kit and rubber feet
- 1 x Quick Installation Guide

If any of the above items are damaged or missing, please contact your local D-Link reseller.

Hardware Overview

LED Indicators

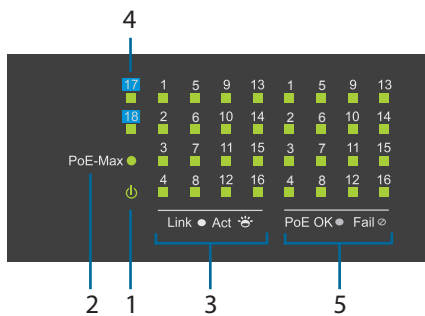


Figure 1

#	LED	Status	Description
1	Power	Solid green	The device is powered on.
		Off	The device is powered off.
2	PoE Max	Solid red	Indicates that the total PoE power output of the switch has exceeded the Guard Band threshold of 223 W, but is still below the total budget of 230 W.
		Off	The total PoE power consumption is below the 223 W Guard Band threshold.
3	Link/Act/Speed (Ports 1 to 16)	Solid amber	There is an active link negotiated at 10/100 Mbps on this port.
		Blinking amber	There is traffic on the port at 10/100 Mbps.
		Off	No link

#	LED	Status	Description
4	Link/Act/Speed (Ports 17 to 18)	Solid green	There is an active link negotiated at 10/100/1000 Mbps on this port.
		Blinking green	There is traffic on the port at 10/100/1000 Mbps.
		Off	No link
5	PoE (Ports 1 to 16)	Solid amber	The port is providing power to the connected PoE-powered device.
		Off	There is no PoE-powered device connected to this port or PoE-powered device insert but failure occurs. (PSE can't provide power to PD due to PD error or power budget is not enough.)

Table 1

Note: The LED behavior for ports 1-16 will switch between Link mode and PoE mode when the PoE mode is active. Port 1 ~ Port 16 PoE power budget is 30 watts/port. Total PoE Power budget is 230 watts.

Front Panel Connectors

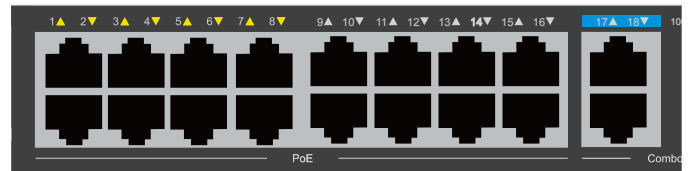


Figure 2

#	Item	Description
1	Ports 1 ~16	10/100 Mbps PoE-capable ports for connecting Ethernet devices and PoE-powered devices.
2	Port 17	10/100/1000 Mbps Ethernet uplink port for connecting to another switch using an Ethernet cable.
3	Port 18	10/100/1000 Mbps GbE/SFP combo uplink port for connecting to another switch using an Ethernet cable or installing a compatible SFP transceiver.

Table 2

Rear Panel Connectors



Figure 3

#	Item	Description
1	Switch GND	This is used to connect the switch to ground.
2	Power Input	This is used to connect the power cable to the switch.

Table 3

Grounding the Switch

This section describes how to connect the switch to the ground. You must complete this procedure before powering on the switch.

Required Tools and Equipment:

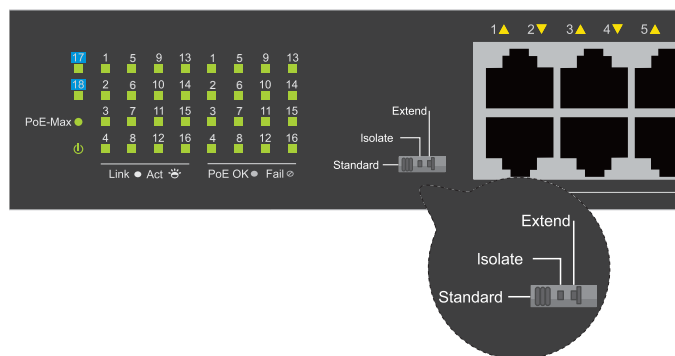
- One M4 x 6 mm (metric) pan-head screw (included in the accessory kit).
- Grounding cable (not included in the accessory kit): The grounding cable should be sized according to local and national installation requirements. Depending on the power supply and system, a 12 to 6 AWG copper conductor is required for installation. Commercially available 6 AWG wire is recommended. The length of the cable depends on the proximity of the switch to proper grounding facilities.
- A screwdriver (not included in the accessory kit).

You can connect the switch to a protective ground by following the steps below:

1. Verify if the system power is off.
2. Use the grounding cable to place the #8 terminal lug ring (not included in the accessory kit) on top of the ground-screw opening.
3. Insert the grounding screw into the ground screw opening.
4. Using a screwdriver, tighten the grounding screw to secure the grounding cable to the switch.
5. Attach the terminal lug ring at the other end of the grounding cable to an appropriate grounding stud or bolt on the rack where the switch is installed.
6. Verify that the ground connections on the switch and the rack are securely attached.



DIP Switches



The DIP switches on the front panel allow easy configuration of the advanced features of the DSS-100E-18P

DIP Switch	Function Controlled	Default
Standard	Switch all ports can communicate with each other port and work as a common Unmanaged Switch. *1 to 16 port supports Power over Ethernet and transmit data at 10/100 Mbps.** 1 to 8 port supports port priority to optimize port cache.	On
Isolate	1 to 16 port can't communicate with each other, but each of them can communicate with port 17 and 18.	Off
Extend	The data rate of 9 to 16 port is limited to 10Mbps, whereas the maximum transmission distance of the port is increased to 250 meters.	Off

Table 4

Hardware Installation

Before You Begin

Observe the following precautions to help prevent shutdowns, equipment failures, and personal injury:

- Install the DSS-100E-18P in a cool and dry place. Refer to the technical specifications in the user manual for the acceptable operating temperature and humidity ranges.
- Install the switch in a site free from strong electromagnetic sources, vibration, dust, and direct sunlight.
- Leave at least 10 cm of space to the left and right-hand side of the switch for ventilation.
- Visually inspect the power connector and make sure that it is fully secured to the power cord.
- Do not stack any devices on top of the switch.

Using the Switch on a Flat Surface

The included rubber pads can be placed on the bottom of the device to prevent it from damaging the surface it is placed on.

1. Remove the rubber pads from the adhesive strip.
2. Stick one pad on each corner on the bottom panel of the switch.

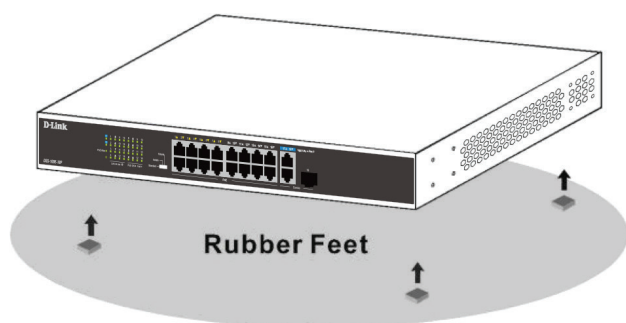


Figure 4

Mounting the Switch in a Rack

The DSS-100E-18P can be mounted into a standard 19" server rack.

1. Attach the included mounting brackets to the sides of the switch and secure them using the provided screws.

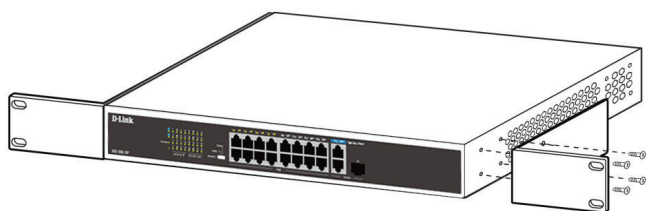


Figure 5

2. Install the switch into the rack.
3. Use the screws that were provided with the rack to secure the switch to the rack.

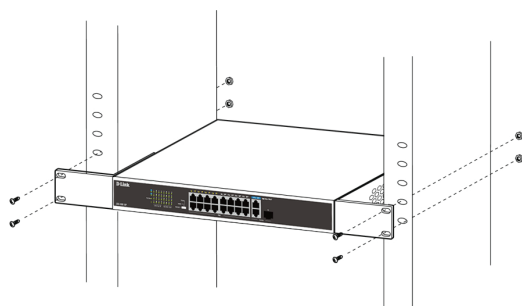


Figure 6

Grounding the Switch

This step must be completed before powering on the switch.

Required tools and equipment for grounding

- Grounding screw (included) and one M4x6 (metric) pan-head screw (not included).
- Grounding cable (not included). The grounding cable should be sized according to local and national installation requirements. Depending on the power supply and system, a 12 to 6 AWG copper conductor is required for installation. Commercially available 6 AWG wire is recommended. The length of the cable depends on the proximity of the switch to proper grounding facilities.
- A screwdriver (not included).

Note: Verify that the system is powered off.

1. Remove the grounding screw from the back of the device and place the #8 terminal lug ring of the grounding cable on top of the grounding screw opening.
2. Insert the grounding screw back into the screw opening and use a screwdriver to tighten the grounding screw.
3. Attach the terminal lug ring at the other end of the grounding cable to an appropriate grounding source.
4. Verify that the connection between the grounding connector on the switch and the grounding source is secure.

Powering On the Switch

1. Connect the power cord to the power connector on the switch.
2. Plug the other end of the power cord into a nearby power socket.

Connecting to the Network

The switch can be integrated into the network through one of the following connection methods:

Switch to End Node or Powered Device

Use a standard Ethernet cable to connect the switch to PCs with an 10/100/1000 Mbps RJ-45 interface, or connect and power remote IEEE 802.3af/at-compliant devices, such as IP cameras or IP phones using PoE.

Switch to Hub or Switch

Connect the switch to another switch or hub using the RJ-45 or SFP uplink ports.

Switch to Server

Connect the switch to a network backbone or network server using the RJ-45 or SFP uplink ports.

Additional Information

For additional support, please refer to the user manual, or visit <http://support.dlink.com/> which will direct you to your local D-Link support website.

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2019/12/26