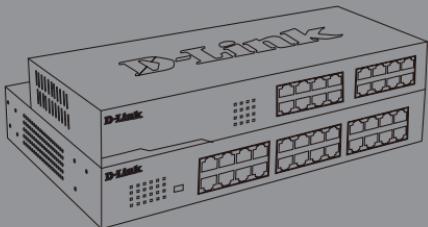




Quick Installation Guide Gigabit Desktop Switch

This document will guide you through the basic installation process for your new D-Link Gigabit Desktop Switch.

DGS-1016D/DGS-1024D



About This Guide

The D-Link DGS-1016D/1024D 16/24-Port Gigabit Desktop Switch is a stand-alone plug-and-play device. This install guide gives step-by-step instructions for setting up the device. The model you have purchased may appear slightly different from the images shown in this guide. For more detailed information about the switch, installation process, making network connections, and technical specifications, please refer to the user manual or visit <http://www.dlink.com>.

Package Contents

These are the items included with your purchase:

- D-Link DGS-1016D 16-Port or DGS-1024D 24-Port 10/100/1000BASE-T Gigabit Ethernet Switch
- AC power cord
- Four rubber feet
- Screws and two mounting brackets
- Quick Install Guide
- Power cord retainer
- Tie wrap

If any of the above items are missing, please contact your D-Link reseller for replacement.

Before Connecting to the Network

As with any electronic device, you should place the equipment where it will not be subjected to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

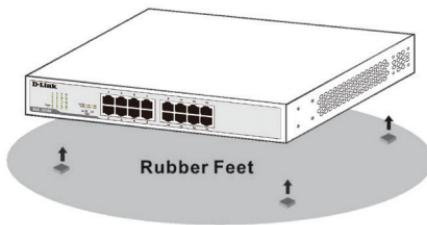
- A. Install the DGS-1016D / DGS-1024D in a fairly cool and dry place. See Technical Specifications page in the manual for the acceptable operation temperature and humidity ranges.
- B. Install the switch in a site free from vibration, dust, and direct sunlight.
- C. Leave at least 10 cm of space on the left and right hand side of the switch for ventilation.
- D. Visually inspect the power cable and ensure that it is firmly inserted into a suitable power outlet.

Switch Installation

The DGS-1016D/1024D may be mounted in an EIA standard 19-inch rack or it may be placed on a desktop or shelf.

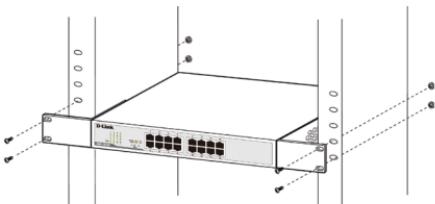
Desktop or Shelf Installation

When installing the switch on a desktop or shelf, use the rubber feet provided. Position and apply the rubber feet to the bottom corners of the DGS-1016D/1024D switch.



Rack Installation

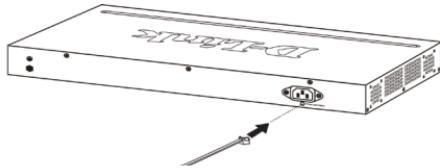
To install in a rack, attach the mounting brackets to the switch's side panels (one on each side) and secure them with the screws provided. Then, use the hardware provided with the equipment rack to mount the switch in the rack.



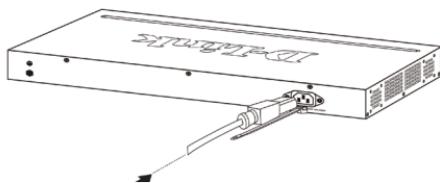
Installing a Power Cord Retainer

Installation of a power cord retainer is recommended to prevent accidental removal of the AC power cord.

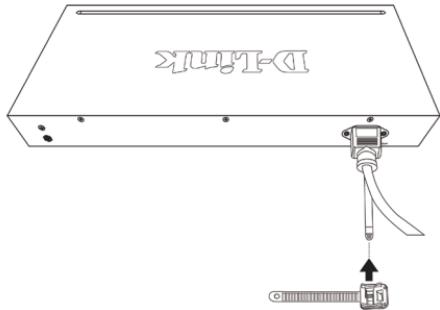
- A. Insert a tie wrap with the rough side facing down into the hole below the power socket.



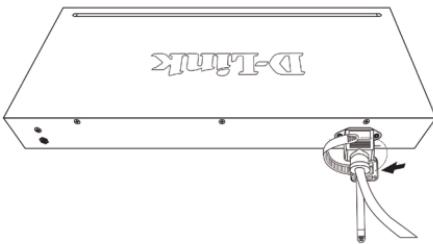
- B. Connect the AC power cord into the AC power inlet of the switch.



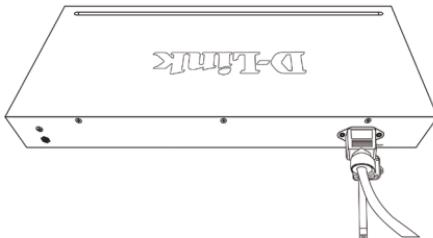
- C. Attach the retainer to the tie wrap and slide it up to the end of the cord.



- D. Wrap the retainer around the power cord and place the free end into the fastener.



- E. Fasten the retainer by pulling on it until secure.



- F. Connect the AC power cord to an electrical outlet.

Connecting the DGS-1016D/ DGS-1024D to your Network

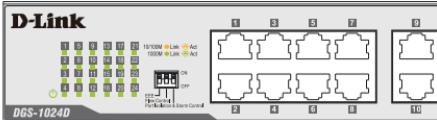
A. Power

The switch can be used with AC power sources 100 - 240 VAC, 50 - 60 Hz. The switch's power supply will adjust to the local power source automatically and may be turned on without having any or all LAN segment cables connected.

B. Ethernet

These ports support network speeds of 10 Mbps, 100 Mbps, or 1000 Mbps, and can operate in half-duplex and full-duplex transfer modes. These ports also support automatic MDI/MDIX crossover detection, which gives the switch true "plug and play" capabilities. Just connect any network cable between the switch and the device, and the switch will automatically detect the settings of the device and adjust itself accordingly.

LED Indicators



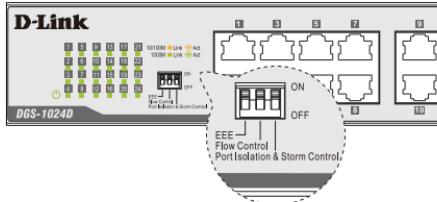
The LED indicators allow you to monitor, diagnose, and troubleshoot potential problems with the switch, connection, or attached devices.

LED	Color	State	Indication
Power	Green	Light on	Power on
		Light off	Power off
Link/Act/ Speed	Green	On	Connection (or link) at 1000 Mbps
		Blinking	Reception or Transmission at 1000 Mbps
	Amber	On	Connection (or link) at 10/100 Mbps
		Blinking	Reception or Transmission at 10/100 Mbps

Cable Diagnostics (During Boot Only)

Port Link/Act/ Speed LED Color	Status
Green	No Faults Detected /Good Cable Connection
Amber	Open or Short Circuit

DIP Switches



The DIP switches on the front panel allow easy configuration of the advanced features of the DGS-1016D and DGS-1024D.

DIP Switch	Function Controlled	Default
EEE	Enables/Disable IEEE 802.3az Energy-Efficient Ethernet Feature	On
Flow Control	Enables/Disable Flow Control Feature	On
Port Isolation and Storm Control	Port Isolation: See Below Storm Control: When enabled, a broadcast storm control threshold value of 128 kbps will be applied to incoming broadcast packets on all ports.	Off

Port Isolation:

DGS-1016D - When enabled, ports 1 to 15 will be isolated from each other, but will still be able to communicate with port 16. Port 16 will be able to communicate with all the ports available on this switch.

DGS-1024D - When enabled, ports 1 to 23 will be isolated from each other, but will still be able to communicate with port 24. Port 24 will be able to communicate with all the ports available on this switch.

Note: The switch must be power cycled after changing DIP Switch settings for new settings to take effect.

Additional Information

Additional help and product information is available online at <http://www.dlink.com>.

Warranty Information

Please visit <http://warranty.dlink.com/> for warranty information for your region.

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NOTES

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