

D-Link DGS-1005D

D-Link DGS-1005D 5-Port Gigabit Switch User Manual

Model: DGS-1005D

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your D-Link DGS-1005D 5-Port 10/100/1000 Gigabit Desktop Switch. This device is designed to enhance your network's performance by providing high-speed connectivity for multiple devices.

2. KEY FEATURES

- **Non-blocking Switching Architecture:** Ensures maximum data throughput by filtering and forwarding packets at full wire-speed.
- **8,000 MAC Address Table:** Provides extensive scalability for large network environments.
- **Broad Compatibility:** Works seamlessly with virtually all 10, 100, and 1000 Mbps Ethernet devices.
- **Plug and Play Installation:** Requires no configuration, making setup simple and hassle-free.
- **Auto MDI/MDI-X Crossover:** Eliminates the need for crossover cables or dedicated uplink ports on all ports.
- **Auto-negotiation:** Automatically senses link speed (10, 100, or 1000 Mbps) and adjusts for optimal performance.
- **Diagnostic LEDs:** Provide visual status and activity indicators for quick problem detection.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- DGS-1005D Switch
- Power Adapter
- User Manual (this document)

- Mounting Accessories
- Four Rubber Feet

4. SETUP

4.1 Physical Installation

1. **Placement:** Place the DGS-1005D switch on a flat, stable surface, such as a desktop, or mount it using the provided accessories. Ensure adequate ventilation around the device.
2. **Attach Rubber Feet:** If placing on a desktop, attach the four rubber feet to the bottom of the switch to prevent scratching and provide stability.
3. **Connect Power:** Connect the provided power adapter to the DC 5V port on the back of the switch and then plug the adapter into a standard electrical outlet. The Power LED on the front panel should illuminate.

4.2 Network Connection

1. **Connect Devices:** Use standard Ethernet cables (Cat5e or higher recommended for Gigabit speeds) to connect your network devices (computers, servers, network printers, etc.) to any of the five available Gigabit Ethernet ports on the switch.
2. **Verify Connection:** Once a device is connected, the corresponding Link/Act LED for that port on the front panel will illuminate, indicating a successful connection. A blinking LED indicates network activity.



Figure 1: Front view of the D-Link DGS-1005D 5-Port Gigabit Switch, showing the D-Link logo, "Gigabit Switch" label, and five LED indicators for ports 1-5.



Figure 2: Rear view of the D-Link DGS-1005D 5-Port Gigabit Switch, displaying the five Ethernet ports (labeled 1-5) and the DC 5V power input port.

5. OPERATING THE SWITCH

The DGS-1005D is a plug-and-play device, requiring no software configuration. Once powered on and connected to your network devices, it will automatically begin forwarding data.

5.1 LED Indicators

LED Indicator	Status	Description
Power	Solid Green	The switch is powered on.
Link/Act (per port)	Solid Green	A valid network connection is established on the port.
Link/Act (per port)	Blinking Green	Data is being transmitted or received through the port.

6. MAINTENANCE

The DGS-1005D switch is designed for reliable operation with minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Do not place the switch in an enclosed space without proper airflow.

- **Power Cycle:** If the switch is unresponsive or experiencing issues, try power cycling it by unplugging the power adapter for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

If you encounter issues with your DGS-1005D switch, refer to the following common troubleshooting steps:

- **No Power:** If the Power LED is off, ensure the power adapter is securely connected to both the switch and a working electrical outlet. Try a different outlet.
- **No Link/Activity:** If a Link/Act LED is off for a connected device, check the Ethernet cable connection at both ends. Try a different cable or port. Ensure the connected device is powered on and its network adapter is functioning correctly.
- **Slow Network Speed:** Ensure all connected devices and cables support Gigabit Ethernet (Cat5e or higher). Verify that the Link/Act LED is solid green, indicating a Gigabit connection.
- **Intermittent Connection:** Check for loose cable connections. Ensure the switch is not overheating and has adequate ventilation.



Figure 3: Bottom label of the D-Link DGS-1005D switch, displaying the model number (DGS-1005D), part number (BDGS1005D.B1), serial number (DR1914A004836), hardware version (B1), and regulatory compliance marks (FCC, CE, CSA, UL).

For further assistance, please refer to the serial number: [DR1914A004836](#)

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	DGS-1005D
Brand	D-Link
Number of Ports	5
Data Transfer Rate	1000 Megabits Per Second (Mbps)
Compatible Devices	Desktop computers, servers, network devices
Dimensions (L x W x H)	11 x 8.25 x 2.75 inches
Item Weight	1.15 pounds
Manufacturer	D-Link Systems, Inc.
UPC	790069252716
ASIN	B0000BVYY2

9. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official D-Link website or contact D-Link customer service. Keep your purchase receipt and the product's serial number (found on the bottom label, e.g., [DR1914A004836](#)) handy when seeking support.

Official D-Link Website: www.dlink.com