

D-Link DGS-105GL

D-Link DGS-105GL 5-Port Gigabit Unmanaged Desktop Switch User Manual

Model: DGS-105GL

1. INTRODUCTION

The D-Link DGS-105GL is a 5-Port Gigabit Unmanaged Desktop Switch designed to provide a simple and efficient solution for expanding network connectivity in small office/home office (SOHO) and small to medium-sized business (SMB) environments. This device offers plug-and-play functionality, requiring no complex configuration. Its fanless design ensures silent operation, and the metal housing provides durability. The DGS-105GL incorporates energy-efficient features, including IEEE 802.3az Energy-Efficient Ethernet, to reduce power consumption without compromising performance.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- D-Link DGS-105GL 5-Port Gigabit Unmanaged Desktop Switch
- Power Adapter

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

3. PRODUCT OVERVIEW

The DGS-105GL switch features a compact, low-profile design with a durable metal housing. It is equipped with five Gigabit Ethernet ports for high-speed network connections.

3.1 Front Panel

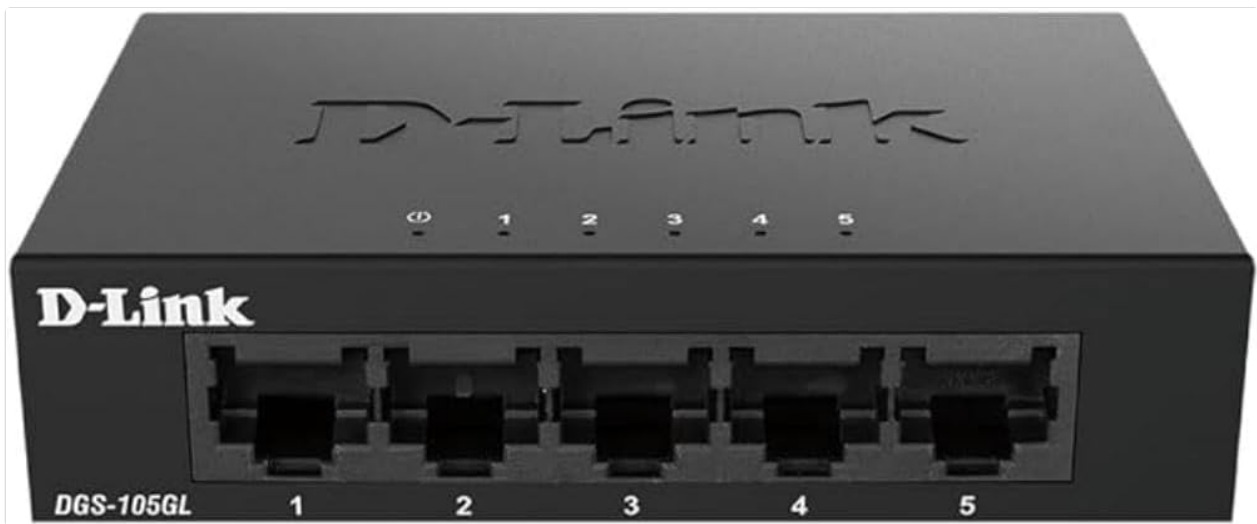


Image: Front view of the D-Link DGS-105GL switch, showing the D-Link logo, model number DGS-105GL, a power LED, five port status LEDs (1-5), and five RJ45 Gigabit Ethernet ports (1-5).

The front panel includes the following indicators and ports:

- **Power LED:** Indicates the power status of the switch.
- **Port LEDs (1-5):** Each port has an LED that indicates link status and activity. A solid light indicates a successful connection, and a blinking light indicates data transmission.
- **RJ45 Gigabit Ethernet Ports (1-5):** These ports are used to connect network devices such as computers, servers, and other switches.

3.2 Rear Panel

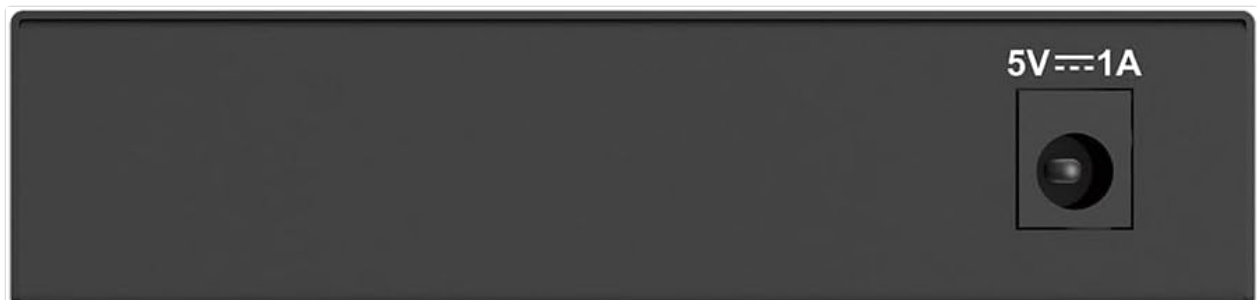


Image: Rear view of the D-Link DGS-105GL switch, showing the power input port labeled '5V --- 1A'.

The rear panel contains the power input port, where the included power adapter is connected.

4. SETUP

The DGS-105GL is a plug-and-play device, making installation straightforward. Follow these steps to set up your switch:

1. **Connect the Power Adapter:** Plug the included power adapter into the power input port on the rear panel of the DGS-105GL switch. Then, plug the other end of the adapter into a standard electrical outlet. The Power LED on the front panel should illuminate.
2. **Connect Network Devices:** Connect your network devices (e.g., computers, network-attached storage, routers) to any of the five RJ45 Gigabit Ethernet ports on the front panel using standard Ethernet cables.
3. **Verify Connections:** Once a device is connected and powered on, the corresponding Port LED on the switch's front panel should light up, indicating a successful link. If there is network activity, the LED will blink.

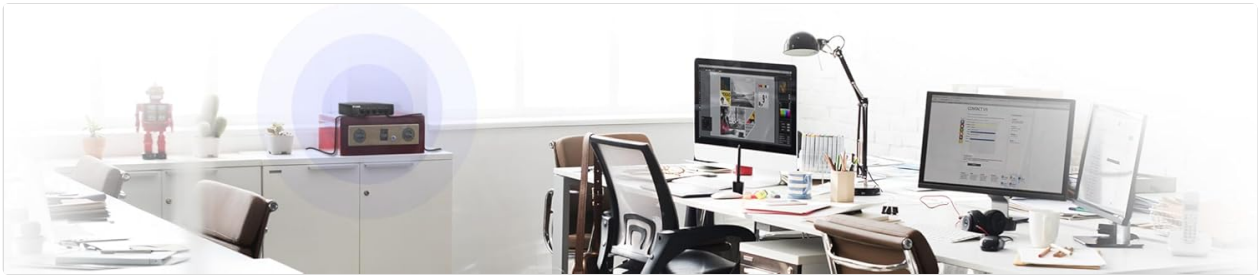


Image: The D-Link DGS-105GL switch placed on a desk in an office setting, connected to a laptop and other peripherals, demonstrating a typical setup.

5. OPERATING THE SWITCH

The DGS-105GL operates automatically once connected. It supports auto-negotiation for speed and duplex mode, and auto-MDI/MDIX, eliminating the need for crossover cables. The switch automatically detects the speed of the connected device (10/100/1000 Mbps) and adjusts accordingly.

5.1 LED Indicators

The LEDs provide visual feedback on the switch's status:



Image: Front view of the D-Link DGS-105GL switch with the green power LED and green port LEDs 1-5 illuminated, indicating active connections.

LED	Status	Description
Power	Solid Green	The switch is powered on.
Power	Off	The switch is not receiving power.
Port (1-5)	Solid Green	A device is successfully connected to the port.
Port (1-5)	Blinking Green	Data is being transmitted or received through the port.
Port (1-5)	Off	No device is connected to the port, or the connected device is powered off.

6. MAINTENANCE

To ensure optimal performance and longevity of your DGS-105GL switch, consider the following maintenance guidelines:

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Avoid using liquid or aerosol cleaners directly on the device.
- **Environmental Conditions:** Ensure the switch is placed in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Maintain operating temperatures within the specified range (refer to specifications).
- **Cable Management:** Keep network cables neatly organized to prevent strain on ports and improve airflow around the device.
- **Power Cycling:** If you experience network issues, a simple power cycle (unplugging the power adapter, waiting 10 seconds, and plugging it back in) can often resolve minor problems.

7. TROUBLESHOOTING

If you encounter issues with your DGS-105GL switch, refer to the following common troubleshooting steps:

- **No Power LED:**
 - Ensure the power adapter is securely connected to both the switch and a working electrical outlet.
 - Verify that the electrical outlet is functional by plugging in another device.
- **No Link LED for a Connected Device:**
 - Check that the Ethernet cable is securely plugged into both the switch port and the network device.
 - Ensure the connected network device is powered on and functioning correctly.
 - Try a different Ethernet cable to rule out a faulty cable.
 - Try connecting the device to a different port on the switch.
- **Slow Network Speed:**
 - Ensure all connected devices and cables support Gigabit Ethernet (Cat5e or higher).
 - Check for excessive network traffic or bandwidth-intensive applications running on connected devices.
 - Perform a power cycle on the switch and connected devices.

8. SPECIFICATIONS

Key technical specifications for the D-Link DGS-105GL switch:

Feature	Specification
Model Number	DGS-105GL
Number of Ports	5 x Gigabit Ethernet (RJ45)
Data Transfer Rate	1 Gbps per port
Interface Type	RJ45
Case Material	Metal
Fanless Design	Yes
Energy Efficiency	IEEE 802.3az Energy-Efficient Ethernet (EEE)
Power Input	5 Volts (DC), 1 Amps

Feature	Specification
Item Weight	160 Grams (5.6 ounces)
Product Dimensions	39.37"L x 25.2"W x 0.94"H (Approximate)
UPC	790069458606

9. WARRANTY AND TECHNICAL SUPPORT

D-Link products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty information included with your product or visit the official D-Link website.

For technical assistance, product documentation, or to download the latest software and firmware updates, please visit the D-Link support portal or contact D-Link technical support directly. Contact information can typically be found on the D-Link website for your region.