D-Link DGS-1008G

D-Link DGS-1008G 8-Port Gigabit Ethernet Switch Instruction Manual

1. INTRODUCTION

The D-Link DGS-1008G 8-Port Gigabit Ethernet Switch provides an excellent solution for expanding your Gigabit network. This plug-and-play device offers 8 Gigabit ports, enabling high-speed data transfer up to 10 times faster than a 100Mbps Fast Ethernet connection. It is designed for quiet operation with a fanless desktop form factor and incorporates D-Link Green technology for energy conservation. Quality of Service (QoS) support ensures clear VoIP calls and smooth online gaming by prioritizing network traffic.
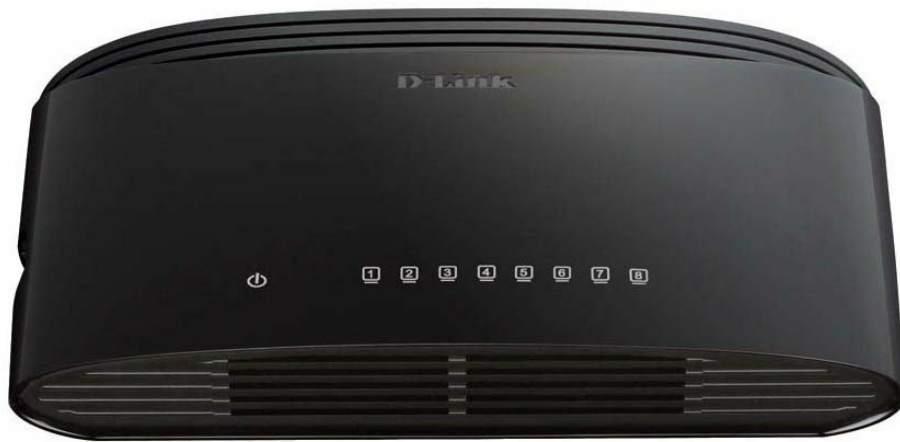
Figure 1: D-Link DGS-1008G 8-Port Gigabit Ethernet Switch, compact black design.

2. WHAT'S IN THE BOX

Upon opening the package, you should find the following items:

- **DGS-1008G Device:** The 8-Port Gigabit Ethernet Switch unit.
- **Power Adapter:** For connecting the switch to an electrical outlet.
- **Quick Start Guide:** Provides basic setup instructions.
- **Wall Mount Kit:** Includes screws and anchors for optional wall mounting.
- **Rubber Feet:** For desktop placement to prevent slipping and protect surfaces.

3. SETUP

The DGS-1008G switch is designed for plug-and-play installation, requiring no software configuration. Follow these steps to set up your switch:

1. **Placement:** Choose a suitable location for your switch. Ensure it is on a stable surface or mounted securely to a wall.
2. **Connect Power:** Plug the power adapter into the switch's power input port and then into a standard electrical outlet. The Power LED on the switch will illuminate.
3. **Connect to Network:** Connect an Ethernet cable from your router or modem to any of the 8 Gigabit ports on the DGS-1008G switch. The corresponding Link/Act LED for that port will light up, indicating a successful connection.
4. **Connect Devices:** Connect your network devices (e.g., computers, network-attached storage, gaming

consoles, smart TVs) to the remaining Ethernet ports on the switch using standard Ethernet cables. The Link/Act LEDs for these ports will also illuminate.

The switch automatically detects the network speed (10/100/1000 Mbps) and adjusts accordingly. If the Link/Act LED is blinking, it indicates active data transmission.

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Video 1: A demonstration of how to connect and utilize the D-Link 8-Port Gigabit Ethernet Switch to expand your network and split your router's Wi-Fi signal. This video highlights the plug-and-play functionality and ease of setup for various devices.

4. OPERATING

The DGS-1008G is an unmanaged switch, meaning it operates automatically without requiring user configuration for basic network functions. Key operational features include:

- **Gigabit Speed:** All 8 ports support Gigabit Ethernet (1000 Mbps), providing high-speed connectivity for bandwidth-intensive tasks.
- **Plug-and-Play:** No software or complex setup is required. Simply connect your devices, and the switch will automatically detect and configure the optimal connection speed.
- **D-Link Green Technology:** This feature helps conserve energy by automatically detecting link status and cable length, adjusting power usage accordingly.
- **Quality of Service (QoS):** Prioritizes network traffic to ensure smooth performance for critical applications like VoIP calls and online gaming.
- **Fanless Design:** Ensures silent operation, making it suitable for quiet environments like homes and small offices.

5. MAINTENANCE

To ensure optimal performance and longevity of your D-Link DGS-1008G switch, consider the following maintenance tips:

- **Keep it Clean:** Periodically wipe the exterior of the switch with a soft, dry cloth to remove dust. Ensure ventilation holes are not obstructed.
- **Proper Ventilation:** Place the switch in a location with adequate airflow to prevent overheating, especially given its fanless design.
- **Cable Management:** Keep Ethernet cables organized and free from kinks or excessive bending to prevent signal degradation.
- **Power Cycle (if needed):** If you experience network issues, try power cycling the switch by unplugging it from the power source for 10-15 seconds and then plugging it back in.

6. TROUBLESHOOTING

If you encounter issues with your DGS-1008G switch, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the switch and a working electrical outlet. Check if the Power LED is illuminated.
- **No Link/Activity:** Verify that Ethernet cables are securely plugged into both the switch and the connected device. Try using a different Ethernet cable or port. Ensure the connected device is powered on and functioning correctly.
- **Slow Network Speed:** Confirm that all connected devices and cables support Gigabit Ethernet (Cat5e or Cat6

cables are recommended for Gigabit speeds). Check for excessive network traffic or interference.

- **Intermittent Connection:** Inspect all cable connections for looseness or damage. Try restarting the switch and connected devices.
- **Device Not Detected:** Ensure the device's network adapter is enabled and configured correctly.

7. SPECIFICATIONS

Feature	Specification
Model Number	DGS-1008G
Brand	D-Link
Number of Ports	8 Gigabit Ethernet (RJ45)
Interface Type	RJ45
Data Transfer Rate	2000 Megabits Per Second (Full Duplex)
Case Material	Metal
Color	Black
Item Dimensions (LxWxH)	5.5 x 3.37 x 1.31 inches
Item Weight	9 ounces (0.56 Pounds)
Voltage	5 Volts
Current Rating	1 Amps
Fanless Design	Yes
QoS Support	Yes
D-Link Green Technology	Yes

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included in your product package or visit the official D-Link website. D-Link provides resources and customer service to assist with any product-related inquiries or issues.