

Draytek VSG1080-K

Draytek VigorSwitch G1080 8-Port Gigabit Managed Switch User Manual

Model: VSG1080-K

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Draytek VigorSwitch G1080 8-Port Gigabit Managed Switch. Please read this manual thoroughly before using the device to ensure proper setup and functionality.

The Draytek VigorSwitch G1080 is an 8-port Gigabit smart switch designed for small and medium business networks. It supports VLANs, QoS, and Link Aggregation, offering simple network management capabilities. This device features ultra-low power consumption and a compact, fanless design, making it suitable for various environments. It is powered by an AC/DC adapter, which is included.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Draytek VigorSwitch G1080 Unit
- AC/DC Power Adapter
- Quick Start Guide (typically included)
- Mounting Kit (for wall mounting, if applicable)

If any items are missing or damaged, please contact your vendor immediately.

PHYSICAL OVERVIEW



Figure 1: Draytek VigorSwitch G1080 Front Panel. This image displays the front panel of the Draytek VigorSwitch G1080, showing the eight Gigabit Ethernet ports (numbered 1 through 8), the RST (Reset) button, the PWR (Power) LED indicator, and the SWM (Switch Management) LED indicator. Each port also has indicators for 10/100M and 1000M speeds. The device is black with a matte finish.

Front Panel Indicators and Ports:

- **PWR LED:** Indicates power status. Lit when the device is powered on.
- **RST Button:** Used to reset the switch to factory default settings.
- **SWM LED:** Indicates the status of the switch management.
- **1-8 Gigabit Ethernet Ports:** RJ45 ports for connecting network devices. Each port supports 10/100/1000Mbps speeds.
- **Port Speed Indicators:** Small LEDs above each port indicate connection speed (e.g., green for Gigabit, amber for 10/100Mbps).

SETUP

1. Power Connection

1. Connect the included AC/DC power adapter to the power input port on the rear panel of the VigorSwitch G1080.
2. Plug the power adapter into a standard electrical outlet.
3. Verify that the **PWR** LED on the front panel illuminates, indicating the device is receiving power.

2. Network Connection

1. Connect your network devices (e.g., computers, servers, network printers, other switches) to the **Gigabit Ethernet Ports (1-8)** using standard RJ45 Ethernet cables.
2. For uplink to your router or main network, connect one of the ports to your router's LAN port.
3. Observe the port speed indicators. A green light typically indicates a Gigabit connection, while an amber light indicates a 10/100Mbps connection.

3. Initial Access and Management

The VigorSwitch G1080 can be managed directly via its web interface or through a compatible DrayTek Vigor router.

- **Direct Web Interface:**

- a. Ensure your computer is connected to the VigorSwitch.
- b. Open a web browser and enter the default IP address of the switch (refer to the Quick Start Guide or DrayTek documentation for the default IP, typically 192.168.1.1 or similar).
- c. Enter the default username and password (also found in documentation).

- **Managed by Vigor Router:**

If you have a compatible DrayTek Vigor router, the VigorSwitch G1080 can be managed and monitored through the router's web interface. Refer to your Vigor router's manual for instructions on integrating and managing connected switches.

OPERATING THE VIGORSWITCH G1080

Once connected and powered on, the VigorSwitch G1080 operates automatically as a plug-and-play device for basic network extension. For advanced features, configuration is required via the web interface.

Key Features and Configuration Areas:

- **VLANs (Virtual Local Area Networks):** Configure VLANs to segment your network for improved security and performance. This allows you to logically separate devices even if they are on the same physical switch.
- **QoS (Quality of Service):** Prioritize network traffic for critical applications (e.g., VoIP, video conferencing) to ensure smooth performance even under heavy network load.
- **Link Aggregation (LAG):** Combine multiple physical links between the switch and another network device (e.g., a server or another switch) to increase bandwidth and provide redundancy.
- **Port Mirroring:** Copy network traffic from one or more ports to a designated monitoring port for analysis and troubleshooting.
- **Storm Control:** Prevent network performance degradation caused by excessive broadcast, multicast, or unknown unicast traffic.
- **Energy Efficient Ethernet (EEE):** Reduce power consumption during periods of low network activity.

Detailed configuration steps for these features are available within the switch's web management interface and the full DrayTek user manual (available on the DrayTek website).

MAINTENANCE

Firmware Updates:

Periodically check the DrayTek website for firmware updates. Firmware updates can provide new features, performance improvements, and security enhancements. Follow the instructions provided with the firmware download carefully to avoid damaging the device.

Cleaning:

Ensure the device is powered off and disconnected from all cables before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.

Environmental Considerations:

Place the switch in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. The fanless design relies on passive cooling, so proper airflow is important.

TROUBLESHOOTING

- **No Power (PWR LED Off):**

Check the power adapter connection to the switch and the electrical outlet. Ensure the outlet is functional. Try a different power outlet.

• **No Link on a Port:**

Verify that the Ethernet cable is securely connected at both ends. Try a different Ethernet cable. Ensure the connected device is powered on and functioning correctly. Check the port speed indicators; if no light, the cable or device may be faulty.

• **Slow Network Performance:**

Check for excessive network traffic or loops. Ensure QoS settings are correctly configured if prioritizing certain traffic. Verify that all connected devices are operating at their expected speeds (e.g., Gigabit devices connected to Gigabit ports). Consider Link Aggregation for high-bandwidth connections.

• **Cannot Access Web Interface:**

Ensure your computer is on the same network segment as the switch. Verify the switch's IP address. Try resetting the switch to factory defaults using the RST button (this will erase all configurations). Consult the full user manual for default IP and login credentials.

• **Switch Malfunction:**

Perform a soft reboot by disconnecting and reconnecting the power. If issues persist, perform a factory reset. If the problem continues, contact DrayTek technical support.

SPECIFICATIONS

Feature	Detail
Model Number	VSG1080-K
Number of Ports	8 x Gigabit Ethernet (RJ45)
Data Transfer Rate	1 Gigabits Per Second (per port)
Interface Type	RJ45
Management	Managed (Web Interface, Vigor Router Management)
Features	VLANs, QoS, Link Aggregation, Port Mirroring, Storm Control, EEE
Case Material	Plastic
Color	Black
Dimensions (L x W x H)	6.06 x 3.35 x 1.02 inches
Item Weight	1.32 pounds
Operating Temperature	Up to 40 Degrees Celsius
Power Consumption	Ultra-low (under 1A when fully loaded)
Cooling	Fanless (Silent Operation)
Mounting	Wall Mountable

WARRANTY AND SUPPORT

Warranty Information:

DrayTek products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official DrayTek website for detailed warranty terms and conditions specific to your region. Keep your proof of purchase for warranty claims.

Technical Support:

For technical assistance, product registration, or to download the latest firmware and full user manuals, please visit the official DrayTek support website:

[**www.draytek.com/support**](http://www.draytek.com/support)

When contacting support, please have your product model (VigorSwitch G1080) and serial number ready.