MERCUSYS MS108G

MERCUSYS MS108G 8-Port Gigabit Desktop Switch User Manual

Model: MS108G | Brand: MERCUSYS

1. SETUP GUIDE

This section provides instructions for the initial setup of your MERCUSYS MS108G Gigabit Desktop Switch. The device is designed for plug-and-play operation, requiring minimal configuration.

1.1 Package Contents

Verify that your package contains the following items:

- MERCUSYS MS108G 8-Port Gigabit Desktop Switch
- Power Adapter
- Quick Installation Guide

1.2 Physical Installation

1. **Placement:** Place the switch on a stable, flat surface. Ensure adequate ventilation around the device. Avoid placing it near heat sources or in direct sunlight.

2. **Connect Devices:** Connect your network devices (e.g., computers, printers, network-attached storage) to the switch's RJ45 ports using standard Ethernet cables. The MS108G features 8 Gigabit Ethernet ports.

3. **Power Connection:** Connect the provided power adapter to the switch's power input port and then plug the adapter into a standard electrical outlet. The Power LED on the switch should illuminate, indicating that the device is receiving power.

Figure 1.1: Connection Diagram. This image illustrates the simple plug-and-play setup, showing an Ethernet cable connecting from an internet source (router) to one of the switch's ports, and another Ethernet cable connecting from a switch port to a computer, expanding the wired network.

Figure 1.2: Front View of the MS108G Switch. This image displays the front panel of the switch, highlighting the eight Gigabit Ethernet ports (RJ45) and the power input port on the right side.

2. OPERATION

The MERCUSYS MS108G is an unmanaged switch, meaning it operates automatically without requiring any software configuration. Once connected, it facilitates high-speed data transfer between connected devices.

2.1 Basic Functionality

- **Plug and Play:** Simply connect your devices and power on the switch. No drivers or software installation are required.

- **Gigabit Speed:** All 8 ports support 10/100/1000Mbps auto-negotiation, providing maximum throughput for your wired network.

- **Auto MDI/MDIX:** Eliminates the need for crossover cables. Any port can be connected to a server, a hub, or a switch using a straight-through cable.

- **LED Indicators:** Each port has an LED indicator to show link status and activity. A solid light indicates a stable connection, and a blinking light indicates data transmission.

Figure 2.1: Network Expansion. This image demonstrates the switch's capability to expand an Ethernet network, showing the MS108G connected to multiple devices such as gaming consoles, computers, printers, and streaming devices, all benefiting from Gigabit speeds.

3. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your MS108G switch.

- **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 to prevent overheating.
- **Power Cycle:** If the device is unresponsive, disconnect the power adapter, wait for 10 seconds, and then reconnect it.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bending to prevent signal degradation.

4. TROUBLESHOOTING

If you encounter issues with your MS108G switch, refer to the following common problems and solutions:

- **No Power LED:**

  - Ensure the power adapter is securely connected to the switch and a working electrical outlet.
  - Verify the power outlet is functional by plugging in another device.

- **No Link/Activity LED for a Connected Device:**

  - Check if the Ethernet cable is securely plugged into both the switch port and the device.
  - Try a different Ethernet cable.
  - Ensure the connected device is powered on and its network adapter is functioning correctly.
  - 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 cables are recommended for Gigabit speeds).
  - Check for network congestion or issues with the connected router/modem.

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	MS108G
Number of Ports	8
Interface Type	RJ45
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
Product Dimensions (L x W x H)	4.13" x 2.76" x 0.98"
Item Weight	120 Grams (4.2 ounces)
Case Material	Plastic
Voltage	220V (Input for adapter)
Current Rating	0.6 Amps
Operating Temperature	15°C to 100°C (59°F to 212°F)

Figure 5.1: Product Dimensions. This image shows the compact size of the MS108G switch, with its dimensions indicated, providing a visual reference for its physical footprint.

6. WARRANTY INFORMATION

The MERCUSYS MS108G Desktop Switch comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official MERCUSYS website or contact customer support.
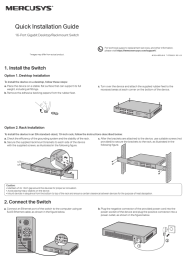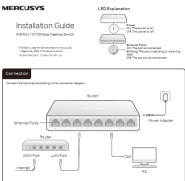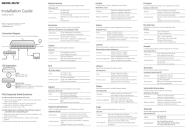
7. CUSTOMER SUPPORT
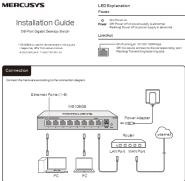
If you require further assistance or have questions not covered in this manual, please visit the official MERCUSYS support website or contact their customer service team.

- **MERCUSYS Official Website:** www.mercusys.com

- Refer to the Quick Installation Guide included in your package for initial setup details.

Related Documents - MS108G

[MERCUSYS MS108GS 5/8-Port Gigabit Desktop Switch Installation Guide](#)
Comprehensive installation guide for the MERCUSYS MS108GS 5/8-Port Gigabit Desktop Switch, covering setup, specifications, LED explanations, FAQs, and safety information.

[MERCUSYS MS116GS Quick Installation Guide](#)
This guide provides instructions for installing and connecting the MERCUSYS MS116GS 16-Port Gigabit Desktop/Rackmount Switch. It covers desktop and rack installation methods, button and LED explanations, detailed specifications, and essential safety information.

[MERCUSYS MS108 5/8-Port 10/100Mbps Desktop Switch Installation Guide](#)
Official installation guide for the MERCUSYS MS108 5/8-Port 10/100Mbps Desktop Switch. Covers connection setup, LED explanations, technical specifications, frequently asked questions, safety information, and compliance details.

[MERCUSYS Unmanaged Rackmountable Switches Installation Guide](#)
Comprehensive installation guide for MERCUSYS Unmanaged Rackmountable Switches, covering product overview, appearance, safety precautions, installation procedures, connection methods, troubleshooting, and specifications.

[MERCUSYS Desktop Switch Installation Guide](#)
Installation guide for MERCUSYS desktop switches, detailing connection diagrams, LED explanations, and safety information.

[MERCUSYS Unmanaged Rackmountable Switches Installation Guide](#)
Comprehensive installation guide for MERCUSYS Unmanaged Rackmountable Switches, covering product overview, appearance, installation procedures, connection methods, troubleshooting, and specifications. Learn how to set up and connect your network switches.