

## ATEN CS1308

# ATEN CS1308 8-Port USB/PS2 Combo KVM Switch User Manual

Model: CS1308

## INTRODUCTION

The ATEN CS1308 is an 8-port USB/PS2 Combo KVM Switch designed to manage up to eight computers from a single console (keyboard, mouse, and monitor). This device supports both PS/2 and USB connections for the console and connected computers, offering flexibility for various system configurations. It is suitable for environments requiring efficient management of multiple servers or workstations.

Key features include DynaSync for optimal video resolution and auto-sensing expansion for seamless integration of additional KVM units.

## PACKAGE CONTENTS

Verify that all components are present in your package:

- 1x CS1308 KVM Switch with Rack Mount Kit
- 1x Console cable
- 1x Firmware Upgrade cable
- 1x Grounding wire
- 1x Foot Pad set (4 pads)
- 1x Power Adapter (AC Models)
- 1x User Manual (this document)
- 1x Quick Start Guide

## SETUP

Follow these steps to set up your ATEN CS1308 KVM Switch:

1. **Power Off All Devices:** Ensure all computers and the KVM switch are powered off before beginning installation.
2. **Connect Console:**
  - Connect your USB or PS/2 keyboard to the console keyboard port on the KVM switch.
  - Connect your USB or PS/2 mouse to the console mouse port on the KVM switch.
  - Connect your VGA monitor to the console VGA port on the KVM switch.

### 3. Connect Computers:

- For each computer, connect a KVM cable (not included, typically) from the computer's video, USB, and/or PS/2 ports to the corresponding KVM port on the CS1308. The CS1308 supports both PS/2 and USB connections for the computers.
- Ensure secure connections for all cables.

### 4. Connect Power Adapter: Plug the provided power adapter into the KVM switch's power jack and then into an AC power outlet.

### 5. Power On:

- First, power on all connected computers.
- Then, power on the KVM switch.



Image: Front and rear view of the ATEN CS1308 KVM Switch, showing console ports, computer ports, and power input. This image illustrates the physical layout of the device for connection purposes.

**Note on DynaSync:** The CS1308 features ATEN's DynaSync technology, which automatically ensures optimal video parameters for your monitor are available to each server, eliminating the need for manual video adjustments when switching between computers.

**Note on Auto Sensing Expansion:** If you expand your KVM installation by adding or removing KVM units, the CS1308 automatically detects these changes and reconfigures the setup without requiring manual intervention or software installation.

## OPERATING INSTRUCTIONS

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The ATEN CS1308 offers multiple methods for switching between connected computers:

### Computer Selection

- **Front Panel Pushbuttons:** Press the corresponding port pushbutton on the front panel of the KVM switch to select a computer.
- **Hotkeys:** Use specific keyboard key combinations (hotkeys) to switch between computers. Refer to the Quick Start Guide or the full user manual for a complete list of hotkey commands.
- **On-Screen Display (OSD) Menu:** Access the OSD menu using a designated hotkey sequence to view and select computers from a graphical interface. The OSD also provides configuration options.

## Keyboard and Mouse Emulation

The CS1308 provides USB or PS/2 keyboard and mouse emulation, allowing computers to boot correctly even when the console focus is on another port. This ensures uninterrupted operation and system stability.

## Multiplatform Support

This KVM switch supports various operating systems, including Windows 2000/XP/Vista, Linux, Mac, and Sun, ensuring broad compatibility with your existing infrastructure.

## MAINTENANCE

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To ensure the longevity and optimal performance of your ATEN CS1308 KVM Switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the KVM switch. Avoid using liquid or aerosol cleaners, as they may damage the device.
- **Ventilation:** Ensure proper airflow around the KVM switch to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Organize cables neatly to prevent strain on connectors and accidental disconnections.
- **Firmware Updates:** Periodically check the ATEN website for available firmware updates for your CS1308 model. Firmware updates can improve performance, add features, or resolve issues. Use the provided Firmware Upgrade cable for this purpose.

## TROUBLESHOOTING

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If you encounter issues with your ATEN CS1308 KVM Switch, refer to the following common troubleshooting steps:

- **No Display/Video Issues:**
  - Ensure all video cables are securely connected between the monitor, KVM switch, and computers.
  - Verify that the monitor is powered on and set to the correct input.
  - Try restarting the KVM switch and the connected computers.
  - Check if the video resolution is supported by your monitor and KVM switch (up to 2048 x 1536).
  - Ensure DynaSync is functioning correctly; if issues persist, try connecting the monitor directly to the computer to verify the computer's video output.
- **Keyboard/Mouse Not Responding:**
  - Confirm that the keyboard and mouse are properly connected to the console ports.
  - Try connecting a different keyboard or mouse to rule out device failure.
  - Ensure the KVM switch is powered on.
  - If using USB devices, ensure the computer's USB ports are active and recognized.
- **Cannot Switch Between Computers:**
  - Verify that the KVM cables connecting the computers to the switch are correctly installed.
  - Ensure the computers are powered on and functioning.
  - Try using a different switching method (e.g., front panel buttons if hotkeys are not working, or vice-versa).

- **Intermittent Connectivity:**

- Check all cable connections for looseness or damage.
- Ensure the power adapter is securely connected and providing stable power.
- Consider environmental factors such as electromagnetic interference.

If these steps do not resolve the issue, please refer to the support section for further assistance.

## SPECIFICATIONS

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Feature	Description
Model	CS1308
Ports	8-Port KVM Switch
Console Connectors	1x HDB-15 (VGA), 2x USB Type A, 2x PS/2
KVM (Computer) Connectors	8x SPHD-15 (supports USB or PS/2 KVM cables)
Video Resolution	Up to 2048 x 1536; DDC2B
Multiplatform Support	Windows 2000/XP/Vista, Linux, Mac, Sun
Switching Methods	Front Panel Pushbuttons, Hotkeys, OSD Menu
Dimensions (L x W x H)	6.3 x 17.05 x 1.73 inches
Weight	4.17 pounds
Mounting Type	Rack Mount
Material	Metal (Chassis), Copper (Contact Material)
Power Consumption	5.00 Watts (typical)

## WARRANTY AND SUPPORT

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ATEN is committed to providing reliable products and comprehensive support. For warranty information, technical assistance, or service, please refer to the following:

- **Technical Support:** ATEN offers free technical support. For assistance, visit the official ATEN website and navigate to the support section.
- **RMA Service:** Localized repair centers are available for Return Merchandise Authorization (RMA) services.
- **Extended Warranty:** Extended warranty services and variable value-added service packages may be available. Contact ATEN customer service for details.



Image: Diagram illustrating ATEN's support services, including localized repair centers, extended warranty options, and free technical support.

