

ATEN CS82U

ATEN 2-PORT USB-PS/2 KVM Switch CS82U Instruction Manual

Model: CS82U

INTRODUCTION

The ATEN CS82U PS/2-USB KVM Switch is a desktop control unit designed to allow users to manage two computers from a single KVM console. This console typically consists of a PS/2 or USB keyboard, a PS/2 or USB mouse, and a VGA monitor. The CS82U incorporates ATEN's Video DynaSync™ technology, which helps eliminate display issues during boot-up and optimizes resolution when switching between connected systems. Its design prioritizes ease of use, requiring no software configuration or complex installation routines, ensuring broad compatibility across multiple computing platforms.

KEY FEATURES

- **Dual Computer Control:** Access two computers from a single KVM console (PS/2 or USB keyboard and mouse, VGA monitor).
- **Effortless Setup:** Simple plug-and-play installation without software, routines, or incompatibility concerns.
- **Video DynaSync™ Technology:** Eliminates boot-up display problems and optimizes resolution for seamless port switching.
- **High Video Quality:** Supports resolutions up to 2048 x 1536 @ 60 Hz with DDC2B.
- **Auto Scan Mode:** Enables monitoring of all connected computers.
- **Broad Compatibility:** Supports Mac/Sun keyboards and emulation, and is multiplatform compatible with Windows, Linux, Mac, and Sun operating systems.
- **Firmware Upgradable:** Ensures future compatibility and performance enhancements.
- **Console Mouse Port Emulation/Bypass:** Supports most mouse drivers and multifunction mice.
- **Complete Keyboard Emulation:** Guarantees error-free booting.

PACKAGE CONTENTS

The ATEN CS82U KVM Switch package typically includes:

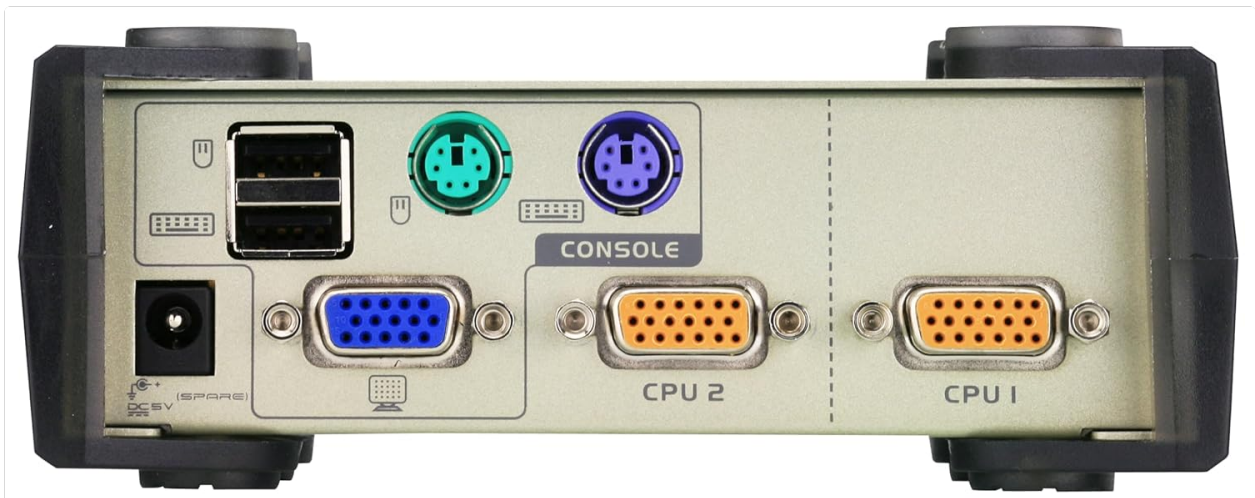
- 1 x CubiQ KVM Switch (CS82U)
- 2 x Custom KVM Cable Sets
- 1 x User Guide

SETUP INSTRUCTIONS

Follow these steps to set up your ATEN CS82U KVM Switch:

1. **Power Off Devices:** Ensure all computers and the monitor intended for connection are powered off.
2. **Connect Console Devices:**
 - Connect your VGA monitor to the **Console VGA port** on the KVM switch.
 - Connect your USB keyboard and USB mouse to the respective **Console USB ports** on the KVM switch. If using PS/2 devices, connect them to the **Console PS/2 ports**.
3. **Connect Computers to KVM:** For each computer you wish to control (up to two):
 - Use one of the provided custom KVM cable sets.
 - Connect the VGA connector of the KVM cable to the computer's VGA port.
 - Connect the USB connector of the KVM cable to an available USB port on the computer. If using PS/2, connect the PS/2 keyboard and mouse connectors to the computer's PS/2 ports.
 - Connect the other end of this KVM cable set to the corresponding **PC1** or **PC2** input ports on the KVM switch.
4. **Power On:** First, power on your monitor. Then, power on the computers connected to the KVM switch. The KVM switch will automatically detect the active computer.

Visual Setup Guide



Rear view of the ATEN CS82U KVM Switch, illustrating the console ports for monitor, keyboard, and mouse, alongside the input ports for connecting two computers (CPU1 and CPU2) via VGA and USB/PS2.



Front view of the ATEN CS82U KVM Switch, displaying the selection buttons for PC1 and PC2, along with status indicators and additional USB ports.

KVM Setup Video Guide

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This video provides a general guide on physically setting up a KVM switch, including connecting displays, keyboards, mice, and computers. (Source: StarTech.com)

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This video demonstrates the connection and switching process for a VGA KVM switch, showing how to connect computers and peripherals. (Source: DGODRT-US)

OPERATING INSTRUCTIONS

The ATEN CS82U KVM Switch offers multiple methods for switching between connected computers:

- **Front Panel Pushbuttons:** Simply press the corresponding numbered button (1 or 2) on the front panel of the KVM switch to select the desired computer. The LED indicator will illuminate to show which computer is currently active.
- **Hotkeys:** Use specific keyboard key combinations to switch between computers without needing to reach the KVM unit. Refer to the detailed user manual for the exact hotkey sequences.
- **Auto Scan Mode:** Activate Auto Scan Mode to automatically cycle through and display each connected computer's screen for a set duration. This is useful for monitoring purposes.

SPECIFICATIONS

Feature	Detail
Model Number	CS82U
Number of Computers	2
Number of Users	1

Video Signals	QXGA
Graphics Resolution	2048 x 1536 @ 60 Hz; DDC2B
User/Console Ports	2 x 6-pin Mini-DIN (PS/2) Female Keyboard/Mouse, 1 x 15-pin HD-15 Female VGA, 2 x Type A Female USB
Computer Ports	2 x 18-pin SPHD-18 Female Keyboard/Mouse/Video
Product Dimensions (L x W x H)	5.5 x 3.5 x 2.1 inches
Weight	1.19 lb
Operation Mode	Plug
Connector Type	USB
Material	Copper (Contact Material)

TROUBLESHOOTING

• No Display or Intermittent Display:

- Ensure all VGA cables are securely connected. Loose connections can cause display issues.
- Verify that your VGA cables are fully compatible and include all necessary pins for DDC (Display Data Channel) communication. Older VGA cables might lack pin 9, which is crucial for the KVM to properly communicate with the monitor and prevent resolution issues or blackouts. Consider using high-quality, fully pinned VGA cables.
- Check the monitor's input source to ensure it's set to the correct input connected to the KVM.

• Keyboard or Mouse Not Responding:

- Ensure the keyboard and mouse are connected to the dedicated console ports on the KVM switch.
- Try reconnecting the keyboard and mouse.
- If using a wireless keyboard/mouse, ensure the receiver is connected to a console USB port and has sufficient power.
- Some advanced or gaming keyboards/mice may require specific drivers or have features that interfere with KVM emulation. Try a basic keyboard/mouse to isolate the issue.

• Computer Not Switching:

- Verify that the KVM cables connecting to the computers are correctly plugged into both the computer and the KVM switch.
- Ensure the selected computer is powered on and functioning correctly.
- Try using a different switching method (e.g., front panel button instead of hotkey, or vice-versa).

MAINTENANCE

To ensure the longevity and optimal performance of your ATEN CS82U KVM Switch, consider the following maintenance tips:

- **Cleaning:** Regularly wipe the exterior of the KVM switch with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.

- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Cable Management:** Organize cables neatly to prevent strain on ports and accidental disconnections.
- **Firmware Updates:** Periodically check the ATEN website for any available firmware updates for your CS82U model. Firmware updates can improve compatibility and performance.

WARRANTY AND SUPPORT

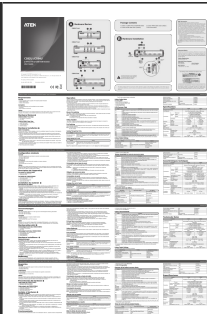
ATEN is committed to providing reliable connectivity and management solutions. For specific warranty information regarding your ATEN CS82U KVM Switch, please refer to the warranty card included in your product package or visit the official ATEN website. ATEN offers technical support to assist with any product-related inquiries or issues.

For further assistance, please visit the ATEN support page or contact their customer service directly. ATEN aims to respond to customer inquiries within 4 hours.



Diagram illustrating ATEN's customer support services, including localized repair centers, extended warranty options, and free technical support with a 4-hour response time.

Related Documents - CS82U



[ATEN CS82U/CS84U 2/4-Port PS/2-USB KVM Switch User Guide](#)
User guide for the ATEN CS82U and CS84U 2/4-Port PS/2-USB KVM Switches, detailing hardware review, installation, operation, hotkey functions, and specifications.

