



ATEN CS82U 2 4-Port PS 2-USB KVM Switch User Guide

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ATEN CS82U 2 4-Port PS 2-USB KVM Switch



Specifications

- Product Name: CS82U/CS84U 2/4-Port PS/2-USB KVM Switch
- Part Number: PAPE-1285-152G
- Compliance: RoHS compliant
- Printing Date: 09/2024

Product Information

The CS82U/CS84U is a 2/4-Port PS/2-USB KVM Switch designed to allow users to control multiple computers using a single set of peripherals. It comes with custom KVM cable sets and user instructions for easy setup and operation.

Product Usage Instructions

1. Plug your keyboard and mouse into the USB or PS/2 console ports located on the unit's rear panel.
2. Plug your console monitor into the VGA console port located in the unit's rear panel.
3. Power on the KVM switch.

Cable Connections

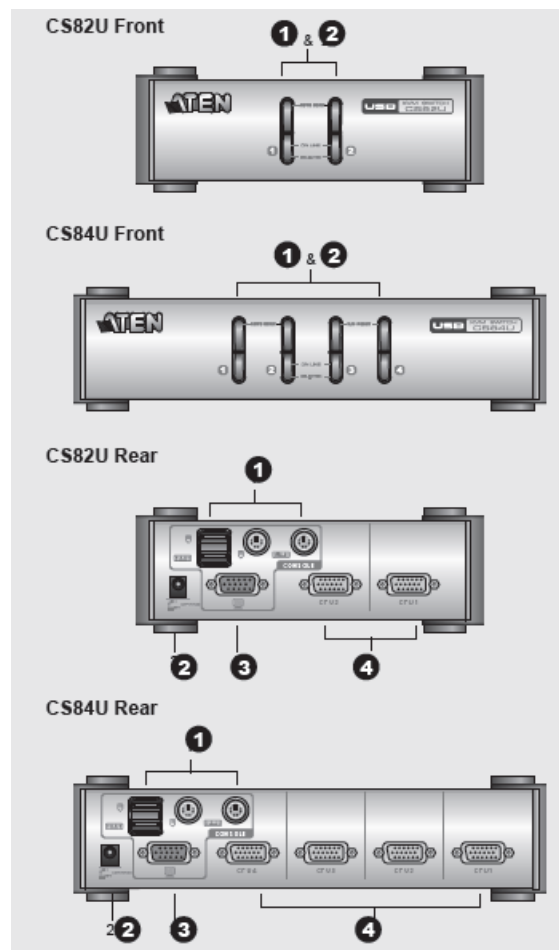
To ensure proper setup, use only the custom KVM cable sets provided with the package to connect your computers to the KVM switch.

FAQ

Q: Can I use any KVM cable sets with the CS82U/CS84U?

A: No, only use the custom KVM cable sets provided with the package to ensure compatibility and optimal performance.

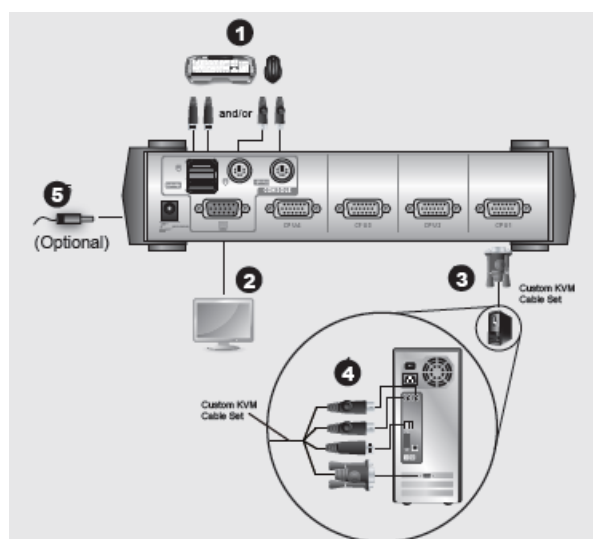
Hardware Review



Package Contents

- 1 CS82U / CS84U PS/2-USB KVM Switch
- 2 Custom KVM Cable sets (CS82U)
- 4 Custom KVM Cable Sets (CS84U)
- 1 User Instructions

Hardware Installation



To prevent damage to your installation from power surges or static electricity, it is important that all connected devices are properly grounded.

EMC Information

Federal Communication Commission Interference Statement.

This equipment has been tested and found to comply with the limits for a Class B digital service, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected;
- Consult the dealer/an experienced radio/television technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Important Notice

Considering environmental protection, ATEN does not provide a fully printed user manual for this product. If the information contained in the Quick Start Guide is not enough for you to configure and operate your product, please visit our website www.aten.com and download the full user manual.

Online Registration <http://eservice.aten.com>

Technical Phone Support

International

886-2-86926959

North America

1-888-999-ATEN Ext: 4988

United Kingdom

44-8-4481-58923

The following contains information that relates to China

All information, documentation, firmware, software utilities, and specifications contained in this package are subject to change without prior notification by the manufacturer. Please visit our website <http://www.aten.com/download/?cid=dds> for the most up-to-date versions.

Requirements

Console

- A VGA compatible monitor capable of the highest possible resolution
- A USB or PS/2 mouse
- A USB or PS/2 keyboard

Computers

The following equipment must be available on each computer:

- A VGA port
- Type A USB port or PS/2 port

Cables

Only KVM cable sets which are specifically designed to work with this switch may be used to link to the computers. Two (CS82U) or four (CS84U) cable sets are provided with this package.

Hardware Review A

CS82U/CS84U Front View

1. Port Selection Pushbuttons
2. Port LEDs

CS82U/CS84U Rear View

1. Console Keyboard and Mouse Ports
2. Power Jack (spare)
3. Console Monitor Port
4. KVM Port Section

Hardware Installation B

Cable Connections

To set up your CS82U / CS84U installation, refer to the installation diagram (the numbers in the diagrams correspond to the steps), and do the following:

1. Plug your keyboard and mouse into the USB or PS/2 console ports located on the unit's rear panel.
2. Plug your console monitor into the VGA console port located in the unit's rear panel and power on the monitor.
3. Using the custom KVM cable set (provided with this package), plug the custom SPHD connector into any available socket in the KVM port section of the switch
4. At the other end of the cable, plug the USB or PS/2 and VGA connectors into their respective ports on the computer.

Note: If you are using a combo console – USB mouse and PS/2 keyboard, for example – plug in both the USB and PS/2 connectors.
5. If you find the power is insufficient, please use an external power adapter. Please contact your dealer to purchase the correct one for your model.
6. Turn on the power to the computers.

Operation

There are three convenient methods to access the computers: Manual – which involves pressing the port selection pushbuttons located on the unit's front panel; Mouse – which involves clicking the scroll wheel of the USB mouse; and Hotkey – which involves entering combinations from the keyboard.

For manual port selection

- Press and release a port selection pushbutton to bring the KVM focus to the computer attached to its corresponding port. The Port LED lights bright orange.
Press and hold port selection pushbutton 1 and 2 for more than 2 seconds to start Auto Scan Mode.
- Press and release either port selection pushbutton to stop Auto Scan Mode. The KVM focus goes to the computer attached to the corresponding port of the switch you pressed
- Press port selection pushbuttons 3 and 4 simultaneously for 2 seconds to perform a keyboard and mouse reset (CS84U only).

Mouse Port-switchingMouse Port-switching

The CS82U / CS84U supports the very latest in mouse port-switching – simply double-click the scroll wheel of your USB mouse to cycle through the ports.

Note

1. This featured is only supported by USB 3-key scroll wheel mice.
2. The default setting is off.
3. This feature is only supported when Mouse Emulation is enabled.

Hotkey Operation Hotkey Operation

The CS82U / CS84U provides an extensive, easy-to-use, hotkey function that makes it convenient to control and configure your KVM installation from the keyboard.

Port Switching Port Switching

All port switches begin with tapping the Scroll Lock key twice. The tables below describe the actions that each combination performs.
Note: If using the Scroll Lock key conflicts with other programs running on the computer, the Ctrl key can be used, instead.

Cycling Through the Ports

Hotkey	Action
[Scroll Lock] [Scroll Lock] [Enter]	Brings the KVM focus from the port that currently has the KVM focus to the next port on the installation (1 to 2; 2 to 1 for the CS82U; 1 to 2; 2 to 3; 3 to 4; 4 to 1 for the CS84U).

Going Directly to a Port

Hotkey	Action
[Scroll Lock] [Scroll Lock] [n] [Enter]	Brings the KVM, USB, and audio focus to the computer attached to the port corresponding to the specified Port ID.

Note: The n stands for the computer’s Port ID number (1, 2, 3, or 4). Replace the n with the appropriate

Hotkey Setting Mode

Invoking HSM

To invoke HSM do the following:

1. Press and hold down [Num Lock].
2. Press and release [-].
3. Release [Num Lock].

HSM Summary Table

Key	Function
[H]	Toggles between the default ([Num Lock] [-]) and alternate ([Ctrl] [F12]) HSM invocation keys.
[T]	Toggles between the default ([Scroll Lock] [Scroll Lock]) and alternate ([Ctrl] [Ctrl]) Port Switching keys.
[F2]	Enables Mac keyboard emulation.
[F3]	Enables Sun keyboard emulation
[F10]	Auto detects keyboard operating platform.
[F4]	Prints the switch's current settings via a text editor or word processor.
[F5]	Performs a reset on all USB devices.
[F6] [nn] [Enter]	Sets the keyboard language layout. Note: nn is a two-digit number that represents one of the following keyboard language codes: US English 33; French 08;Japanese 15.
[B]	Enables/Disables the buzzer.
[X] [Enter]	Enables/Disables the port switching keys.
[R] [Enter]	Resets the hotkey settings to their default status.
[u] [p] [g] [r] [a] [d] [e] [Enter]	Invokes Firmware Upgrade Mode.
[D]	Invokes Video DynaSync™, ATEN's exclusive technology that eliminates boot-up display problems and optimizes resolution when switching between ports.
[N]	Enables/Disables keyboard emulation *
[M]	Enables/Disables mouse emulation.
[W]	Enables/Disable mouse port-switching.
[F1]	Resets keyboard and mouse under operating systems that do not support USB 2.0.

When keyboard emulation is off, the [m], [w], [F2], [F3], [F10], [F4], [F5], and [F6] hotkeys are disabled.

Hotkey Default Settings

The hotkey factory default settings are as follows:

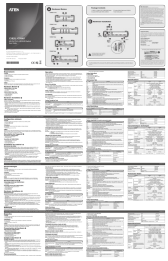
Setting	Hotkey	Default
Port Switching	[T]	[Scroll Lock] [Scroll Lock]
Invoking HSM	[H]	[Number Lock] [-]
Auto Scan Interval	[Scroll Lock] [Scroll Lock] [A] [Enter]	5 seconds
Keyboard Operating Platform	[F10]	PC Compatible
Keyboard Emulation	[N]	Enabled

Mouse Emulation	[M]	Enabled
Mouse Port-switching	[W]	Disabled
Video DynaSync	[D]	Enabled
Port Switching Keys (On / Off)	[X] [Enter]	Enabled
Buzzer	[B]	Enabled
Keyboard Language	[F6] [nn] [Enter] Note: nn is the language number	English

Specifications

Function			CS82U	CS84U
Computer Connections			2	4
Port Selection			Front Panel Pushbuttons; Hotkey, USB Mouse	
Connectors	Console Ports	Keyboard	1 x USB Type A Female (Black), 1 x 6-pin Mini-DIN Female (Purple)	
		Video	1 x HDB-15 Female (Blue)	
		Mouse	1 x USB Type A Female (Black), 1 x 6-pin Mini-DIN Female (Green)	
	KVM Ports		2 x SPHD-18 Female (Yellow)	4 x SPHD-18 Female (Yellow)
	Power		1 x DC Jack	1 x DC Jack
Switches	Selected		2 x Pushbutton	4 x Pushbutton
LEDs	On Line		2 (Orange)	4 (Orange)
	Selected		2 (Green)	4 (Green)
Emulation	Keyboard / Mouse		PS/2, USB	
Video			2048 x 1536	
Scan Interval			3, 5, 10, 20 secs. (5 secs. default)	
Power Consumption			DC 5V, 1.1 W	DC 5V, 1.2 W
Environment	Operating Temp.		0–50°C	
	Storage Temp.		-20–60°C	
	Humidity		0–80% RH, Non-condensing	
Physical Properties	Housing		Metal	
	Weight		0.54 kg	0.77 kg
	Dimensions (L x W x H)		13.98 x 8.80 x 5.55cm	21.00 x 8.80 x 5.55 cm

Documents / Resources



[ATEN CS82U 2 4-Port PS 2-USB KVM Switch](#) [pdf] User Guide

CS82U, CS84U, CS82U 2 4-Port PS 2-USB KVM Switch, CS82U, 2 4-Port PS 2-USB KVM Switch, 4-Port PS 2-USB KVM Switch, PS 2-USB KVM Switch, 2-USB KVM Switch, KVM Switch, Switch

References

- [ATEN - Simply Better Connections | ATEN U.S.A.](#)
- [Downloads | ATEN Corporate Headquarters](#)
- [User Manual](#)

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