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ATEN USB KVM Switch User Guide

ATEN USB KVM Switch
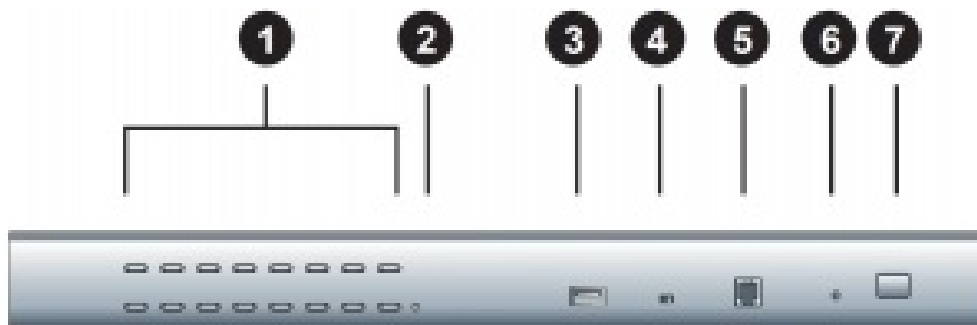

Contents [**hide**

Ⓐ Package Contents

- 1 CS1708A / CS1716A KVM Switch with Standard Rack Mounting Kit
- 2 Custom KVM Cable Sets
- 1 Console Cable
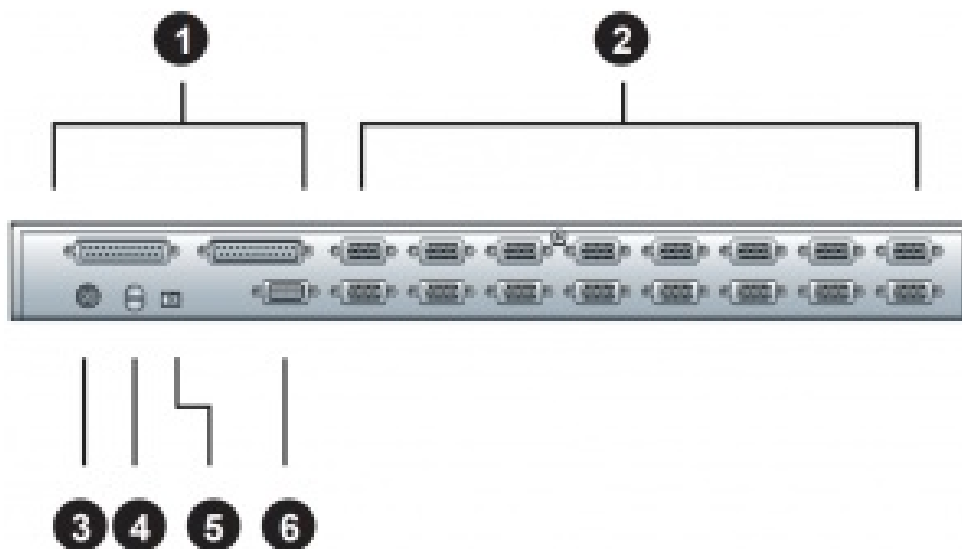- 1 Firmware Upgrade Cable

- 1 Foot Pad Set (4 pcs)
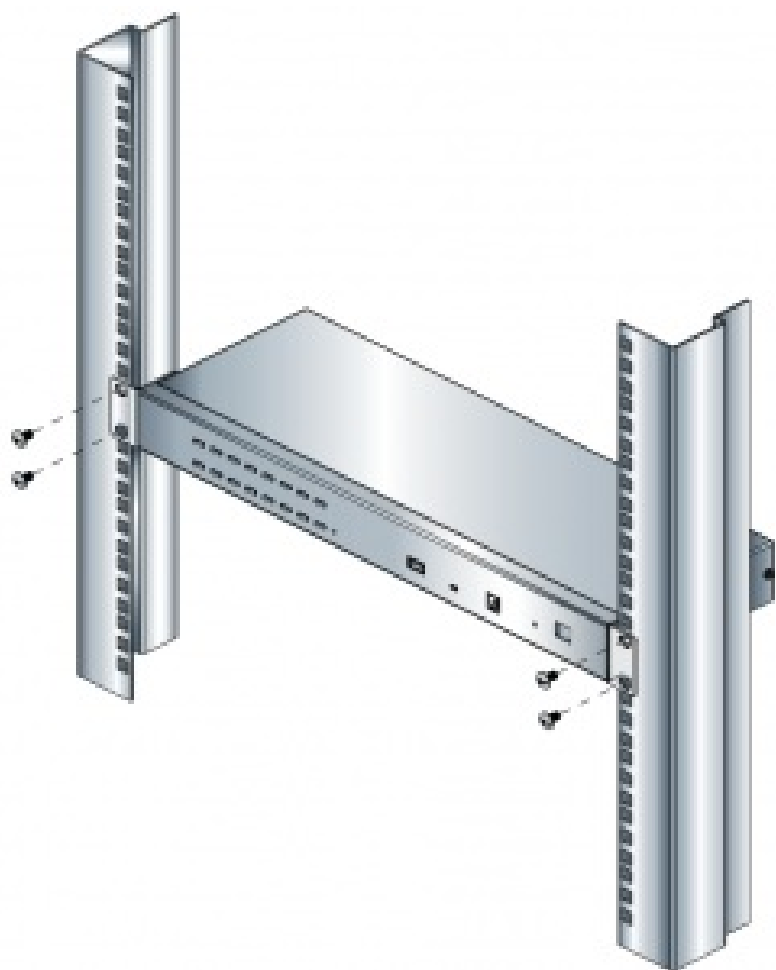- 1 Power Adapter 1 User Instructions

B Hardware Review

Front view

Rear view

C Installation Diagram

Rack Mounting – Front ⓐ

1

2

USB   VGA   PS/2
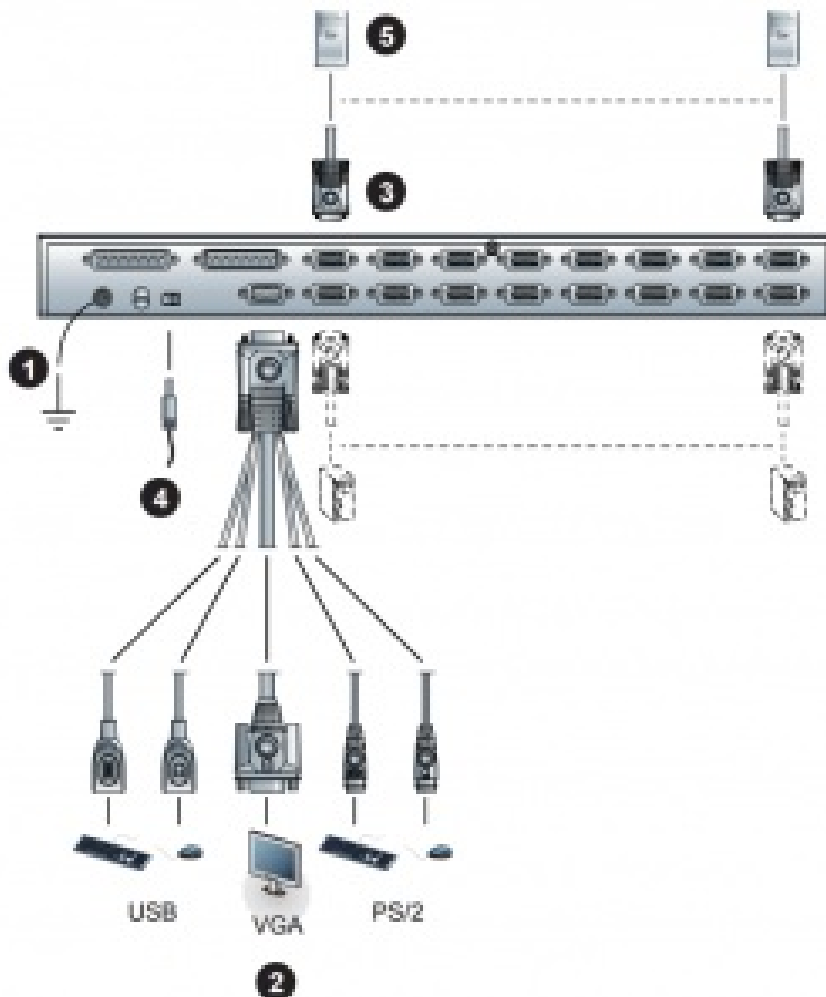
⚠ To prevent damage to your installation from power surges or static electricity, it is important that all connected devices are properly grounded.

Ⓓ OSD Main Screen


```
F1:GOTO  F3:SET  F5:SKP  F7:SCAN
F2:LIST  F4:ADM  F6:BRC  F8:LOUT
ADMINISTRATOR
 LIST:ALL
 SN--PN QV  ☼   NAME
☐☐01
     01  ◄   ☼   WEBSERVER1
     02      ☼   WEBSERVER2
     03  ◄   ☼   FAXSERVER1
     04      ☼   FAXSERVER2
     05  ◄   ☼   MAILSERVER1
     06  ◄   ☼   MAILSERVER2
     07  ◄   ☼   DBSERVER
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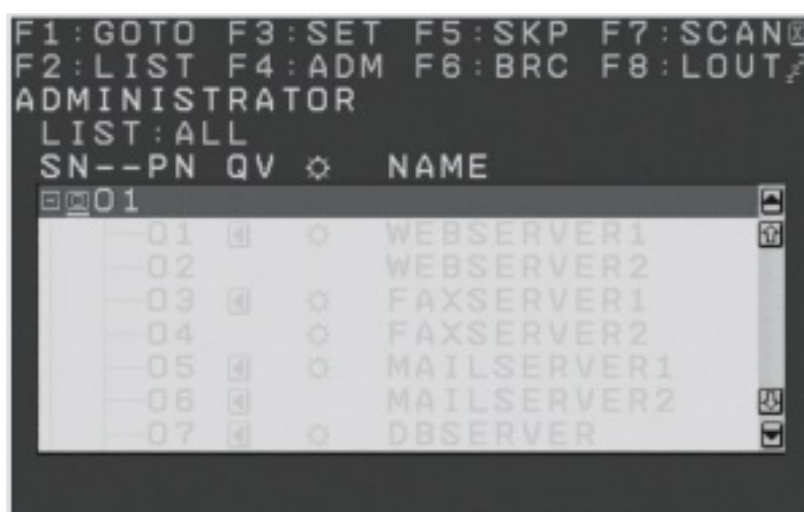
Requirements

Console

The following hardware components are required for each KVM console:

- A VGA, SVGA, or multi sync monitor capable of displaying the highest resolution provided by any computer in the installation.
- Keyboard and mouse (USB or PS/2)

Computers

The following hardware components are required for each computer:

- A VGA, SVGA, or multi sync video graphics card with an HD-15 port.
- PS/2 mouse and keyboard ports (6-pin mini-DIN), at least one USB port.
- Direct support Sun USB systems; or, for Sun legacy systems, an ATEN CV130A Sun Console Converter.

Hardware Review **B**

Front View

1. Port LEDs
2. Reset Button
3. USB Port
4. Firmware Upgrade Recovery Switch
5. Firmware Upgrade Port
6. Power LED
7. Station ID LED

Rear View

1. Daisy-chain Ports
2. KVM Ports
3. Grounding Terminal
4. Cable Tie Slot
5. Power Jack
6. Console Port

Installation **C**

Rack Mounting – Front **a**

1. Remove the screws from the left and right sides of the switch (2 screws total) near the front of the switch.
2. Use the M3 x 8 Phillips hex head screws supplied with the rack mounting kit to screw the rack mounting brackets into the sides near the front of the unit.
3. Place the KVM switch in the rack. Position it so that the holes in the mounting brackets line up with the holes in the rack. Secure the mounting brackets to the front of the rack

Grounding

To prevent damage to your installation it is important that all devices are properly grounded.
Use a grounding wire to ground the CS1708A / CS1716A by connecting one end of the wire to the grounding terminal, and the other end of the wire to a suitable grounded object

Single Level Installation 🅑

In a single level installation, there are no additional switches daisy-chained down from the first unit.

To set up a single level installation do the following:

1. Ground the CS1708A / CS1716A, and make sure that power has been turned off to all the computers you will be connecting up.
2. Using the console cable provided, connect a keyboard, mouse, and monitor to the CS1708A / CS1716A,console port.
3. Use KVM cable sets, to connect any available KVM port to the keyboard, video and mouse ports of the computer you are installing.
4. Plug the power adapter cable into the CS1708A / CS1716A power jack, then plug the power adapter into an AC power source.
5. Turn on the power to the computers.

Operation

The CS1708A / CS1716A provides three port selection methods to access the computers on the installation: Manual, an OSD (on-screen display) menu system, and Hotkeys.

1. **Manual Port Switching**

   Use the front panel pushbutton switches to manually switch to a port.

2. **OSD Port Switching 🅓**

   The OSD incorporates a two level (administrator / user) password system. Before the OSD main screen displays, a login screen appears requiring a password. If this is the first time that the OSD is used, or if the password function has not been set, simply press [Enter]. The OSD main screen displays in administrator mode.

   To bring the KVM focus to a port, Double Click it, or move the Highlight Bar to it then press [Enter].

   Note: You can optionally change the OSD hotkey to the [Ctrl]key, in which case you would press [Ctrl] twice. With this method, you must press the same [Ctrl] key.

3. **Keyboard Port Switching**

   All hotkey operations begin by invoking Hotkey mode. There are two possible keystroke sequences used to invoke Hotkey mode, though only one can be operational at any given time:

Number Lock and Minus Keys (Default Hotkey)

1. Hold down the Num Lock key;
2. Press and release the minus key;

3. Release the Num Lock key: [Num Lock] + [-]

Control and F12 Keys

1. Hold down the Ctrl key;
2. Press and release the F12 key;
3. Release the Ctrl key: [Ctrl] + [F12]

Hotkey Summary Table

[Num Lock] + [-] or [Ctrl] + [F12]	[A] [Enter] or [Q] [Enter]	Invokes Auto Scan mode. When Auto Scan mode is in effect, [P] or left-click pauses auto-scanning. When auto-scanning is paused, pressing any key or another left-click resumes auto-scanning.
	[B]	Toggles the beeper on or off.
	[Esc] or [Spacebar]	Exits hotkey mode.
	[F1]	Set Operating System to Windows.
	[F2]	Set Operating System to Mac.
	[F3]	Set Operating System to Sun.
	[F5]	Performs a keyboard / mouse reset on the target computer.
	[H]	Toggles the Quick Hotkey invocation keys between [Ctrl] + [F12] and [Num Lock] + [-].
	[R] [Enter]	This administrator only hotkey restores the switch's default values.
	[SN][PN] [Enter]	Switches access to the computer that corresponds to that port ID.
	[T]	Toggles the OSD Hotkey between [Ctrl] [Ctrl] and [Scroll Lock] [Scroll Lock].
	[←]	Invokes Skip mode and skips from the current port to the first accessible port previous to it.
	[→]	Invokes Skip mode and skips from the current port to the next accessible port.
	[↑]	Invokes Skip mode and skips from the current port to the last accessible port of the previous station.
	[↓]	Invokes Skip mode and skips from the current port to the first accessible port of the next station.

Online Registration
International: **http://support.aten.com**
North America: **http://www.aten-usa.com/product_registration**

Technical Phone Support
International: 886-2-86926959
North America: 1-888-999-ATEN Ext: 4988
United Kingdom: 44-8-4481-58923
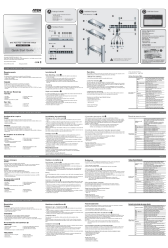
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Documents / Resources

ATEN USB KVM Switch [pdf] User Guide
USB KVM Switch, 8 Port USB KVM Switch, 16 Port PS 2 USB KVM Switch

References

- **ATEN - Simply Better Connections | ATEN U.S.A.**