

# SUN CONSOLE CONVERTER CABLE



## USER MANUAL

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### CV-130A / CV-130B

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Read this guide thoroughly and follow the installation and operation procedures carefully in order to prevent any damage to the CV-130A / CV-130B and/or any devices that connect to it.

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This package contains:

- 1CV-130A or CV-130B SUN Signal Converter Cable
- 1User Manual

If anything is damaged or missing, contact your dealer.

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**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause 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 which the receiver is connected;
- Consult the dealer or an experienced radio/television technician for help.



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## OVERVIEW

The CV-130A and CV-130B are PS/2 to SUN interface converters. They translate PS/2 keyboard, mouse, and monitor signals to Sun keyboard, mouse and monitor signals, allowing you to easily and conveniently integrate legacy Sun servers into an IBM compatible KVM (keyboard, video, mouse) installation. All computers on the installation can be controlled from a single PC style console.

The CV-130A and CV-130B fully support ATEN PS/2 KVM switches. ATEN KVM switches are designed in two basic types: Those that use specially designed 15 pin Special High Density connectors (SPHD-15) to transmit the KVM data between the switch to the computers; and those that use standard PS/2 and VGA connectors.

The CV-130A and CV-130B are identical in their functions, except that the CV-130A is for use with SPHD-15 switches, whereas the CV-130B is designed for PS/2-VGA switches.

The CV-130A and CV-130B are designed to communicate with legacy Sun equipment. They both have 13W-3 connectors for the Sun video port, and Mini-DIN-8 connectors for the keyboard and mouse signals.

## **FEATURES**

- ◆ Translates PS/2 keyboard, video, and mouse signals to legacy Sun keyboard, video, and mouse signals
- ◆ Compatible with SUN systems
- ◆ Compatible with ATEN PS/2 KVM switches & PS/2 console extenders
- ◆ Keyboard and mouse emulation - computers boot even when the KVM focus is elsewhere
- ◆ Supports PS/2 mice and Microsoft Intelimouse
- ◆ Supports PS/2 keyboard and mouse hot plugging
- ◆ External power adapter not required
- ◆ Composite Sync Video support
- ◆ Supports high resolution video - including Sun 1152 x 900, 1280 x 1024, and 1600 x 1200

## INSTALLATION

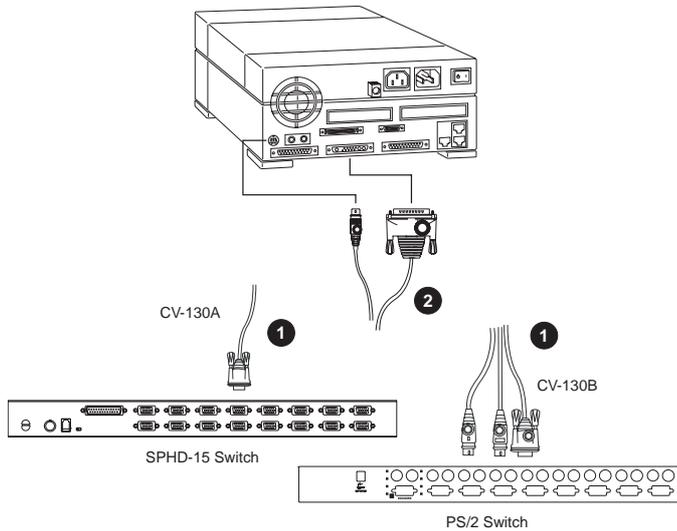
Installation is simply a matter of plugging in the cables. Refer to the installation diagram as you perform the steps below.

**Note:** Make sure that all the equipment to be connected up is powered Off and properly grounded.

1. Plug the KVM switch end of the converter cable into any available CPU port on the KVM switch.
  - ♦ For SPHD-15 type switches, plug in the CV-130A's single SPHD-15 connector.
  - ♦ For PS/2 type switches, plug the CV-130B's keyboard, monitor, and mouse connectors into their respective ports in the CPU section of the switch.

**Note:** SUN workstations use a three button mouse. To fully emulate its functions, you need to use a three button PS/2 mouse.

2. Plug the other end of the cable into the Sun station's keyboard and video ports.



## SUN KEYBOARD EMULATION

The PS/2 (101/104) key keyboard can emulate the functions of the SUN keyboard. The corresponding functions are shown in the table below.

PS/2	SUN
[Ctrl] [F1]	Stop
[Ctrl] [F2]	Again
[Ctrl] [F3]	Props
[Ctrl] [F4]	Undo
[Ctrl] [F5]	Front
[Ctrl] [F6]	Copy
[Ctrl] [F7]	Open
[Ctrl] [F8]	Paste
[Ctrl] [F9]	Find
[Ctrl] [F10]	Cut
[Ctrl] [1]	
[Ctrl] [2]	
[Ctrl] [3]	
[Ctrl] [4]	
[Ctrl] [H]	Help
Win	
Win Cmd	Compose
R_Alt	Alt Grapher

**Note:** When using [Ctrl] key combinations, press and release the [Ctrl] key, then press and release the activation key.

## TROUBLESHOOTING

Problem	Cause	Action
Wake up function doesn't work.	System not responding to mouse or keyboard input.	Press the POWER key ([Ctrl] [4]). If the system still fails to respond, Click the left and right mouse buttons at the same time or press [Esc].
Video problems.	Wrong display resolution for monitor.	Some monitors cannot support a display resolution of 1152 x 900. Set the resolution to either 1280 x 1024, or 1024 x 768.

## SPECIFICATIONS

Function		CV-130A	CV-130B
Connectors	To Switch	1 x SPHD -15 M	2 x 6 pin mini DIN M 1 x HDB-15 F
	To Sun	1 X Mini-DIN-8 1 x 13W-3	
LEDs		1 Power	
Emulation		Sun Keyboard and Mouse	
Resolution		Sun specific 1152 x 900; 1280 x 1024; 1600 x 1200	
Environment		Operating Temperature: 0 - 50° C	
		Storage Temperature: -20 - 60° C	
		Humidity: 0 - 80% RH Noncondensing	
Cable Length		1.8m	
Housing		Plastic; 10.65 x 4.2 x 2.31 cm	
Weight		0.2kg	0.24kg

**Limited Warranty**

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