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2 Port High Resolution Dual Link DVI USB KVM Switch with Audio

SV231DVIUAHR

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Manual Revision: 09/19/2014

FCC Compliance Statement

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 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 or an experienced radio/TV technician for help.

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Introduction

The SV231DVIUAHR 2-Port High Resolution Dual-Link DVI USB KVM Switch provides simple, yet comprehensive control of 2 directly-connected computers, as well as audio switching capability and support for high resolution applications (supports resolutions beyond 1080p: 2560x1600 @ 60Hz, up to 3840 x 2400 at lower refresh rates), offering a superior KVM switching solution that integrates perfectly into demanding imaging, medical, and multimedia environments.

This 2-port DVI USB KVM Switch is compatible with all USB-supported operating systems, and features a built-in USB 2.0 hub that allows you to share additional (up to 2) high speed USB devices between computers.

Packaging Contents

- 1 x KVM Switch
- 1 x Instruction Manual
- 1 x Rubber Foot Pad set
- 1 x Universal Power Adapter

System Requirements

- DVI-D enabled display device (i.e. monitor, projector, HDTV, etc.)
- DVI-D and USB enabled computer system
- A standard 104-key wired USB keyboard
- A standard 3-button wired USB mouse

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Installation

NOTE: Prior to the installation, please power off all devices that will be connected to this system.

Ensure that all devices you will connect are properly grounded.

Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

If you experience any problems using a USB KVM switch, the following BIOS setup changes may be necessary for PC users and not necessary for Mac users:
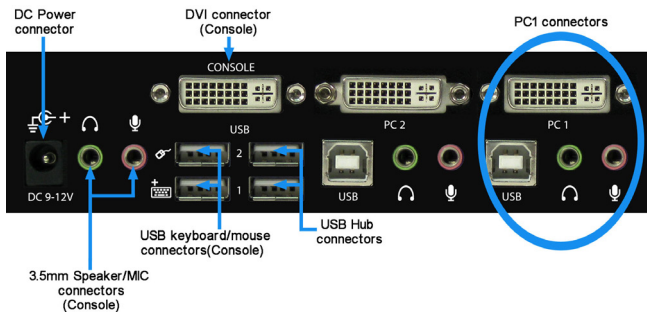
- Set HALT ON ERROR to ALL BUT KEYBOARD.

- In PNP AND PCI SETUP, set PNP OS INSTALLED to YES and set USB IRQ to ENABLED.

Different systems may use different naming, so contact your system manufacturer for further assistance with these settings.

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Front View

Port Selection/Link
LED

SELECT

2 Port High Res USB DVI Dual Link KVM Switch
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Port Selection Button

Rear View

DC Power
connector

DVI connector
(Console)

PC1 connectors

CONSOLE

PC 2

PC 1

USB

DC 9-12V

2

1

USB

USB

USB keyboard/mouse
connectors(Console)

USB Hub
connectors

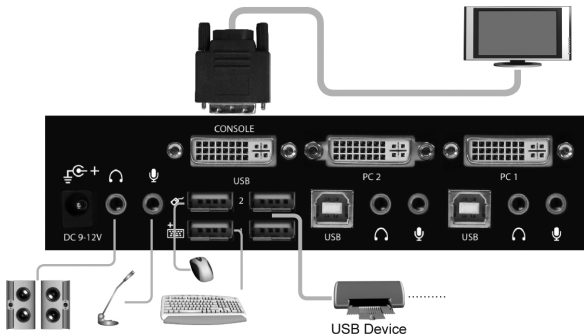3.5mm Speaker/MIC
connectors
(Console)

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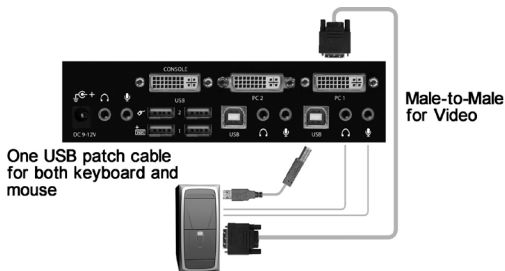
Console Connection

Before installation, ensure that all devices and computers to be connected to the KVM switch are powered off.

1. Connect a DVI-capable monitor to the Console's DVI port.

2. Plug a USB keyboard and a USB mouse to any two of the Console's USB ports as shown below.

Computer Connection

1. Use a male-to-male cable to connect from a computer's DVI port to the KVM switch's DVI port of PC side, as shown below.

2. Use a USB A-B Cable to connect from the KVM switch's USB port (B connector, square connector) to the USB port on the corresponding computer (A connector, flat connector), as shown below.

Male-to-Male for Video

One USB patch cable for both keyboard and mouse

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Operation

Front Panel

On-line LED / Selected LED

When the LED turns green, the connected computer is powered-on. When a computer is selected, its corresponding red LED illuminates.

Push Buttons

Pressing the "Select" button switches between ports.

HotKey Control

A Hotkey command is a short keyboard sequence for selecting a computer, activating computer scan, etc. A hotkey sequence starts with two left <CTRL> keystrokes (successively within 0.2 seconds) followed by one or two more keystrokes. A built-in tone generator creates a high-pitch beep for correct hotkey command; otherwise, one low-pitch beep is generated for errors and the bad key sequence will not be forwarded to the selected computer.

NOTE: Press and hold Left <SHIFT> and press <NumLock> twice, then release <SHIFT> followed by pressing left <CTRL> once, which will enable / disable the hotkey feature.

To select a computer:

<div align="center">

Left <CTRL> + Left <CTRL> + <1>
(Example: Selects the computer at port 1.)
Left <CTRL> + Left <CTRL> + <2>
(Example: Selects the computer at port 2.)

</div>

NOTE: Do not use the keypad on the right-side of the keyboard.

Auto Scan

The KVM automatically scans through the powered-on computers in sequence on a fixed time interval (see Scan Time below).

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To start Auto Scan:

<div align="center">

Left <CTRL> + Left <CTRL> + <F1>

</div>

To abort the Auto Scan mode, press the left <CTRL> key twice. When Auto Scan detects any keyboard activity, it suspends the scanning till the activity stops; it then resumes with the next computer in sequence. The length of the Auto Scan interval (Scan Time) is adjustable, see below.

Manual Scan allows users to manually switch back and forth between powered-on computers.

<div align="center">

Left <CTRL> + Left <CTRL> + <F2>

</div>

To select the previous or the next computer, press <UP> or <DOWN> arrow keys. To abort the Manual Scan, press any other key.

Scan Time

Four options are available for users to set the Scan Time duration, it Includes 3, 8, 15 and 30 seconds.

Note: Scan Time is set to 3 seconds by default.

To adjust Scan Rate, set the scan time of duration before switching to the next computer:

<div align="center">

Left <CTRL> + Left <CTRL> + <F3>

</div>

The KVM Switch generates 1 to 4 beeps indicating a scan time duration for 3, 8, 15 or 30 seconds respectively.

Audio Lock

There are two options for Audio Lock: ON and OFF.

When ON, audio selection follows computer selection. When OFF, audio selection stops following computer selection. It is useful if you want to listen to a particular computer's audio signal while operating other computers.

<div align="center">

Left <CTRL> + Left <CTRL> + <F5>

</div>

The KVM switch beeps once or twice corresponding to ON and OFF respectively.

To change which computer port the audio stays on to the currently selected port, press the following hotkey:

<div align="center">

Left <CTRL> + Left <CTRL> + <A>

</div>

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Change Leading Hotkey

The default leading hotkey sequence involves pressing the left <CTRL> twice in succession (e.g. left <CTRL> + left <CTRL>). This can be changed to the right <CTRL> key instead, to avoid accidental activation due to using the left <CTRL> key for functions such as Copy/Paste.

To change the leading hotkey sequence to Right <CTRL>:

Left <CTRL> + Left <CTRL> + hold <ALT> + press Right <CTRL>

All hotkey commands that previously required pressing the Left <CTRL> will be switched to requiring the right <CTRL> instead.

To change the leading hotkey sequence back to Left <CTRL>:

Right <CTRL> + Right <CTRL> + hold <ALT> + press Left <CTRL>

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Specifications

Number of Ports	2
Computer Connectors (per port)	1 x USB type B female
	1 x 29-pin DVI female
	2 x 3.5mm Audio female
Console Connectors	4 x USB type A female
	1 x 29-pin DVI female
	2 x 3.5mm Audio female
LEDs	2 x Port Selection/Link
Maximum Video Resolution	2560x1600*
Port Selection Modes	Push button, hotkeys
Audio Support	Yes
Cascadable	No
Maximum Cable Length	4.6 m (15 ft) for USB
Power Adapter	5VDC, 2000mA, center positive
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	0% ~ 80% RH
Dimensions	159.0mm x 100.0mm x 40.0mm
Weight	640 g

* Resolutions exceeding 2560x1600 can be obtained by using a lower refresh rate.
Example: 3840x2400 @ 30Hz

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Technical Support

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