

2 Port Professional PS/2 KVM Switch

SV231



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

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NL: Gebruiksaanwijzing - nl.startech.com

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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

Overview

The StarView SV231 is a computer switch that allows access to two IBM compatible computers from one keyboard, mouse and monitor. Switching between computers is as easy as pressing the push button or entering hot-key commands from your keyboard. There is no interface card and software to install and the StarView is independent of the computer operating system. The space-saving design enables you to connect all the cables to the back of the SV231.

Automatic Mouse Conversion

The StarView Switch enables you to connect computers with PS/2 or serial mouse ports (using adapters supplied with each SV231), and control both computers from one PS/2 mouse. The StarView automatically identifies the mouse and switches to proper mouse protocol.

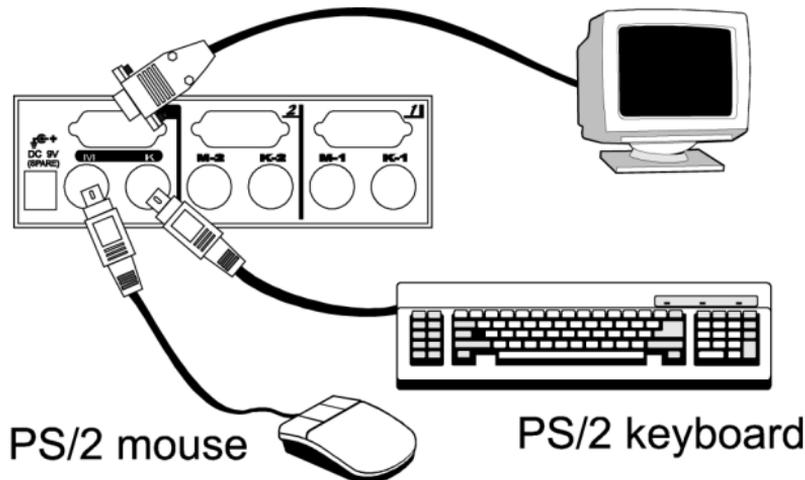
Features

- Supports both PS/2 and serial mouse
- Cascade configuration expands system capability
- Auto scan automatically selects computers sequentially
- Supports Microsoft IntelliMouse (Pro), IntelliTrackball
- Hot-key functions allow easy computer access
- Built in buzzer for hot-key command confirmation.
- Keyboard states automatically saved and restored when switching computers
- Operating system independent, transparent to all applications
- True plug and play system configuration
- Keyboard and mouse can be hot plugged at any time
- High VGA resolution 1600x1200
- DDC2B compatible
- Power-free operation

Installation

Device Connection

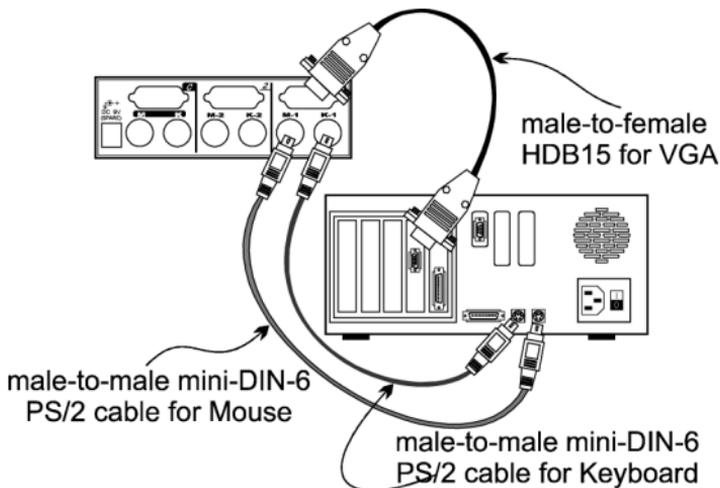
Turn your computers off. Connect a PS/2 keyboard to the mini-DIN-6 port with a KEYBOARD icon and a PS/2 mouse to the mini-DIN-6 port MOUSE icon. Then connect your VGA monitor cable directly to the HD-DB-15 port of CONSOLE as shown in figure 1.



The monitor connected to the HD-DB-15 VGA port of the CONSOLE must be capable of synchronizing with the computer's video signal. If you are uncertain about the monitor type, please consult the monitor user's manual. The StarView consumes negligible power and is designed to run reliably without an external power adapter.

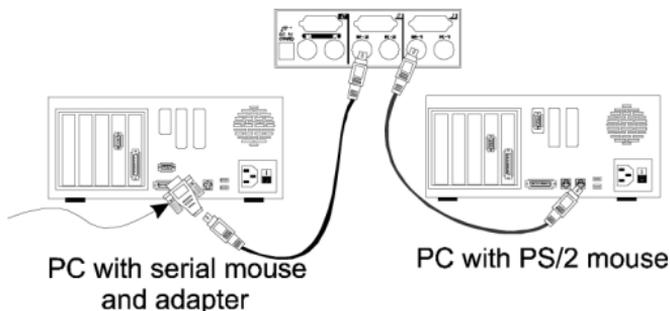
Computers Connection

Now you have two computers to connect to the StarView. Use a male-to-male Mini-DIN-6 cable to connect from the first PC's keyboard port to the corresponding KEYBOARD port; and, use another male-to-male Mini-DIN-6 cable from the PC's mouse port to the MOUSE port. Connect your computers VGA port to the HD-DB-15 port of the StarView as shown in figure 2 using a VGA male-to-female cable. Follow the same procedures for the second computer using the KEYBOARD and MOUSE port.



If your computer incorporates a serial mouse, a mouse adapter should be connected to the computer's mouse port as shown in figure 3.

(Note: use only the mouse adapter supplied with the SV231)



NOTE:

1. The StarTech.com SV231's automatic mouse conversion system allows you to connect computers using serial mice.
2. The mouse adapter can only be used on the PC side and will not work on the CONSOLE side.
3. If your PC uses an AT style keyboard, you will need an "AT-to-PS/2 keyboard adapter" at the PC side.

Initial Power-up

Make sure all computers and the StarView SV231's are powered down during installation. After connection, power up the computers. The StarView can be powered from the computers. This procedure ensures the StarView receive computer settings correctly when computer boots.

NOTE: You may hot plug any additional powered-down computer to the StarTech.com SV231 at any time after the initial power up.

Operations

Front Panel Operation

You may switch to a different computer by pressing the front panel push-button directly or by issuing hot-key commands. The front-panel red indicator changes to reflect the computer port selected. The indicator flashes while in either Auto Scan or Manual Scan mode.

Hot-key Commands

Hot-key command is a short keyboard sequence to select a computer or to activate computer scan. StarTech.com interprets keystrokes for hot-keys all the time. A hot-key sequence starts with two left Ctrl keystrokes followed by one or two more keystrokes. A built-in buzzer generates a high-pitch beep for correct hot-key command; otherwise, one low-pitch beep for error is generated and the bad key sequence will not be forwarded to the selected computer.

- To select a computer: left Ctrl + left Ctrl + 1 Selects the computer at port 1. Left Ctrl + left Ctrl + 2 Selects the computer at port 2.
NOTE: Do not use the keypad at the right of the keyboard.
- To start Auto Scan, automatically scan powered-on computers one by one at a fixed interval: left Ctrl + left Ctrl + F1. To abort the Auto Scan mode, press the left Ctrl key twice. When Auto Scan detects any keyboard or mouse activity, it suspends the scanning until activity stops; it then resumes with the next computer in sequence. The length of the Auto Scan interval (Scan Rate) is adjustable, see below.
- Manual Scan enables you to manually switch back and forth between powered-on computers left Ctrl + left Ctrl + F2 Press Up or Down to select the previous or the next computer in sequence. Press any other key to abort the manual scan.
- To adjust Scan Rate which sets the duration before switching to the next computer in AUto Scan: left Ctrl + left Ctrl + F3. The SV231 generates 1 to 4 beeps indicating scan interval of 3, 8, 15, and 30 seconds respectively.
- To adjust keyboard typematic rate (characters/sec), this setting over-rides that of BIOS and any operating systemL left Ctrl + left Ctrl + F4. The SV231 generates 1to 4 beeps corresponding to 10, 15, 20 and 30 characters/sec respectively.

Appendices

Specifications

SV231	
No. of computers supported	2
Cascade control PC number	Up to 4*
Front panel button control	1
Hot plug-and-play	Yes
Hot-key control	Yes
Automatic scan interval	3, 8, 15, 30 seconds
Cable Length (Max)	30M(100ft) at CONSOLE 30M(100ft) at PC
VGA	1600 x 1200, DDC2B
Computer keyboard connector mouse monitor	PS/2 PS/2, serial (with adapter) HD-DB-15 male
Computer keyboard connector mouse monitor	PS/2 PS/2 HD-DB-15 female
Weight	420g
H x W x D (mm) (in.) size	40x124x70 1.6x4.9x2.7 Micro
Power Supply	Optional (DC 9V, 500mA)

Troubleshooting

Ensure that all cables are well seated. Check that keyboard/mouse cables are not swapped. Label and bundle the cables for each computer to avoid confusion when connected to the StarView.

Symptom	Causes	Solutions
Keyboard or mouse does not work	Improper power-up sequence. Keyboard or mouse not properly initialized.	Press and hold down the push button for 3 seconds, the SV231 will re-initialize the keyboard or mouse, wait for a few seconds then plug it back in.
Keyboard error on boot	Loose keyboard connection.	Make sure keyboard cables are well seated.
Keyboard strokes shifted	The computer was in shifted state when last switched.	Press both SHIFT keys.
Auto Scan does not switch PC automatically and SV231 beeps.	All PC's are off or only one PC is turned on. Scan mode works for power-on computers only.	Turn computers on. Press left Ctrl key twice to abort Auto Scan mode.
The Up and Down keys do not work in Manual Scan	All PCs are off or only one PC is turned on. Scan mode works for power-on computers only.	Turn computers on. Press any other key to abort Manual Scan mode.
The SV231 fails to function occasionally	Computers do not supply enough power.	Add a power adapter with minimum of DC 9V 500mA output rating to the SPARE power jack.
Computer can not use serial mouse	Loose mouse adapter incorrect mouse adapter.	Secure the mouse adapter to computers COM port. Use only the mouse adapter that comes with the SV231

Symptom	Causes	Solutions
Not functional in cascade configuration	In master/slave configuration, the master unit must have equal or more PC ports than that of slaves. If SV231 is a slave, its master can be SV231, SV431, SV831 or SV1631.	SV231 can be a slave of SV231, SV431, SV831, and SV1631. If SV231 is a master, the SV431, SV831 nor SV1631 can be its slave.

Technical Support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a 3 year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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