

# USB 2.0 KVM Switch

2 Port StarView USB KVM Switch Kit with Cables

4 Port StarView USB KVM Switch

SV231USB

SV431USB

Instruction Manual



Actual product may vary from photo

**STARVIEW**

**StarTech.com**

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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 StarView SV231USB and SV431USB, fully compatible with USB 2.0 specifications, are a combination of USB 2.0 KVM (Keyboard/Video/Mouse) switches and USB 2.0 peripherals sharing devices.

With the SV231USB and SV431USB, you can easily operate up to 2 or 4 PCs, G3/G4 Macs, or iMacs respectively from the 1 USB keyboard, 1 USB mouse, and 1 monitor saving you space, time, equipment and money. Its peripheral sharing function enables you to share more USB 2.0 peripherals among all computers. Installation is easy as connecting USB A-B cables to the computers and to the StarView switch.

## Features

- Front panel push buttons for easy computer selection
- No drivers needed for keyboard and mouse operation
- Supports keyboard and mouse plug-n-play
- High VGA resolution: 1920 x 1440
- Buzzer sounds for computer switching confirmation
- Front button Auto Scan activation
- Selectable Scan Time interval

## Before You Begin

### Package Contents

*This package should contain:*

- 1x StarView USB KVM Switch
- 1 x Instruction Guide
- 1 x Power Adapter (only SV231USB)
- 2 x 2-in-1 USB/Monitor cables (only SV231USB)

### System Requirements

#### *Console side*

- One VGA, SVGA or Multisync monitor
- One USB 2.0 keyboard
- One USB 2.0 mouse

## System Requirements Cont'd

### Computer side

Each USB 2.0 enabled computer must be connected to the StarView switch by:

- One HDB15 male-to-female VGA cable or monitor
- One USB 2.0 A-B cable with Type-A and Type-B plug for USB devices
- HDB-15 to DB-15 VGA adapter is required for Mac computer VGA ports

## Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit [www.startech.com](http://www.startech.com) for cables or other accessories that will help you get the best performance out of your new product.



**SVUSB2N1\_6**  
6 ft. USB + VGA 2-in-1 KVM Switch Cable



**SVUSB2N1\_10**  
10 ft. USB + VGA 2-in-1 KVM Switch Cable

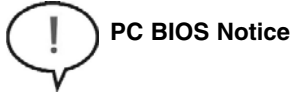


**SVUSB2N1\_15**  
15 ft. USB+VGA 2-in-1 KVM Switch Cable



**SVUSBPOWER**  
SV231USB & SV431USB Power Adapter DC5V

## Installation



### PC BIOS Notice

**The following BIOS setup changes are necessary for PC users and not necessary for Mac users:**

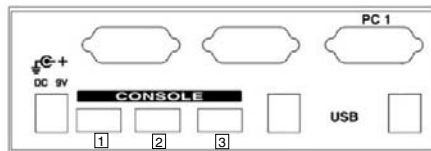
1. In **STANDARD CMOS**, set **HALT ON ERROR** to **ALL BUT KEYBOARD**
2. In **PNP and PCI SETUP**, set **PNP OS INSTALLED** to **YES** and set **USB IRQ** to **ENABLED** Note: The StarView switch is applicable for USB 2.0 keyboard and mouse switching from one computer to the other. If you plan to share other peripherals such as a CCD camera, printer or scanner, it is necessary to shut down the driver of the computer before switching to another computer. Because port switching is equivalent to unplugging the USB cable from one computer and plugging it into another one, some USB drivers check attached USB peripherals all the time and do not accept plug-n-play functions.

### Console Connection

Before installation, make sure all devices and computers to be connected to the StarView switch have been turned off. Plug a monitor to the Console's VGA port; plug a USB 2.0 keyboard and a USB 2.0 mouse Console's USB ports as shown in figure 2. For

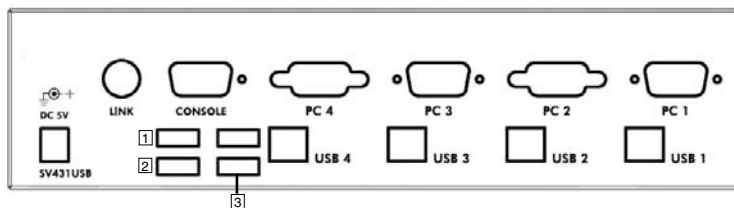
*SV431USB only.* As an option, the Master StarView is either SV431 or SV431D to be linked to the SV431USB with a mini-DIN8 male-to-male cable. The SV431USB can operate as USB 2.0 peripheral sharing devices

#### SV231USB



- 1 USB Keyboard
- 2 USB Mouse
- 3 USB Device

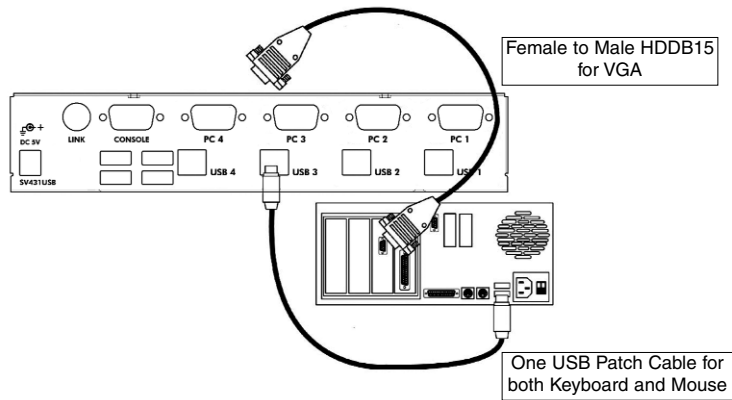
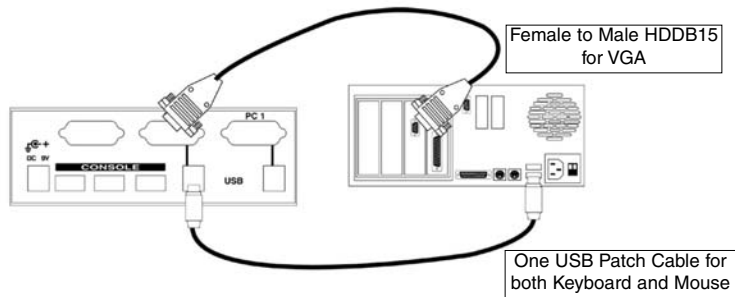
#### SV431USB



### Computer Connection

Use a HDB15 male-to-female cable to connect from a computer's VGA port to the StarView's VGA port of the PC side, as shown below.

Use a USB 2.0 A-B cable to connect from the StarView's USB 2.0 port on the corresponding computer (A connector is the flat connector) as shown below.



## Operation

### Front Panel

#### 1. On-line LED and Selected LED:

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

#### 2. Push buttons:

Each computer has a button associated with it on the front panel for selection.

### Auto Scan

Auto Scan automatically scans through computers one by one in a fixed interval (see Scan Time below). **Note:** keyboard or mouse is not operable during Auto Scan.

#### ***For SV231USB***

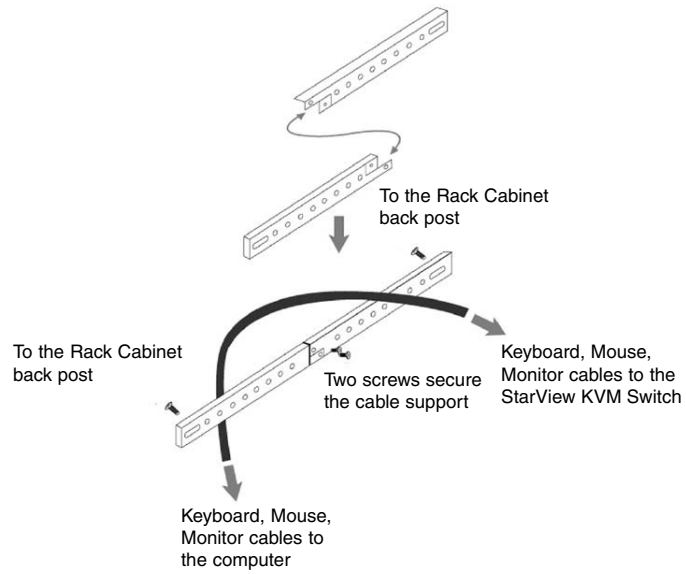
It sets the scan interval for Auto Scan. The Scan Time options are 3, 8, 15 and 30 seconds. **Note:** Scan Time is automatically set to the default of 3 seconds when the KAG switch loses power.

#### ***For SV431USB***

To activate Auto Scan, press down front panel push buttons “3” and “4” simultaneously. The port LED flashes during Auto Scan. Auto Scan is effective for powered-on computers only. To exit the Auto Scan mode, just tap any one of the pushbuttons. To change the Scan Time interval, press both front panel buttons “1” and “2” simultaneously. The Sv431USB beeps 1, 2, 3 or 4 times for Scan Time of 3, 8, 15 or 30 seconds respectively.

### Rack Mount Kit for SV431USB (optional)

The figure below shows how to attach optional mounting brackets and cable support to the SV431USB for standard 19-inch rack cabinet.



## Specifications

	SV431USB	SV231USB
No. of computers supported	4	2
Front panel push button	4	1
Hot plug-and-play	Yes	
Automatic scan interval	3, 8, 15, 30 seconds	
Cable Length (Max)	30M (100ft) for VGA 5M (15ft) for USB	
Computer ON-LINE LED	4	2
Computer Selected LED	4	2
VGA	1920 x 1440, DDC2B	
Computer peripheral connector	USB Type Bx4	USB Type Bx2
Monitor	HDB-15 male x 4	HDB-15 male x 2
Console peripheral connector	USB Type Ax4	USB Type Ax3
Monitor	HDB-15 female x 1	HDB-15 female x1
H x W x D (mm)	44 x 220 x 130	40 x 124 x 70
(in)	1.7 x 8.7 x 5.1	1.6 x 4.9 x 2.7
size	Compact	Micro
Weight (g)	900	420
(oz.)	31.74	14.8

## Troubleshooting

Symptom	Causes	Solutions
Keyboard or mouse does not work	In Auto Scan, keyboard and mouse are not operable. Too many keyboard or mouse drivers installed.	Press any front button to select a computer, then use the keyboard and mouse. Remove ALL unnecessary keyboard and mouse drivers.
Newly installed USB device does not work.	Improper device driver. Device consumes too much power. Device consumes too much power instantaneously. Improper device initialization. When StarView switch works under self-power, i.e., no power supply added, it supports max of 100mA as per USB spec.	Re-install device driver. The device should be self-powered, add a power adapter to the device. If the device does not provide power jack, add a power adapter of less than 1A current rating to the StarView switch. Be sure the USB cable is well seated to ensure communication. Remove all power sources to the StarView by unplugging all USB A-B cables and the power adapter; then start all over again. Select the computer by pushbutton, restart the computer and try again.
Computer hangs up while switching computers.	Device initialization takes too much time.	Wait at least 5 seconds before computer switching to ensure proper USB communication. Turn off device driver (not keyboard or mouse) before computer switching.
Auto Scan does not switch PC automatically and StarView beeps.	All PCs are off or only one PC is turned on. Scan mode works for power-on computers only.	Turn computers on.

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StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and 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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