

## 4 Port Rack Mountable USB VGA KVM Switch with Audio & USB 2.0 Hub

SV431USBAE



\*actual product may vary from photos

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## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A 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.

## Industry Canada Statement

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [A] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (A)/NMB-3(A)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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# Introduction

This Rack Mountable USB KVM Switch supports high resolution video applications (up to 1920x1440 pixels supported) and audio switching between connected computers, and provides an integrated USB 2.0 hub that lets the selected computer have access shared high speed USB peripherals.

Providing control of up to four computers from a single USB keyboard and mouse peripheral set, the switch features a sturdy all metal chassis and can be rackmounted in a server rack/cabinet using an optional Rackmount Bracket kit (SV431RACK) - minimizing clutter and saving space.

## Packaging Contents

- 1x 4 Port USB KVM Switch With Audio
- 1x Pack Rubber Feet
- 1x Power Adapter
- 1x Manual

## System Requirements

### Console Side

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

### Computer Side

- One HDB15 male-to-female VGA cable for monitor
- One USB A-B cable with Type-A and Type-B plug for USB devices

# Installation

**PC BIOS Notice:** The following BIOS setup changes are necessary for **PC users** but are not required 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 the **USB IRQ** to **ENABLED**.

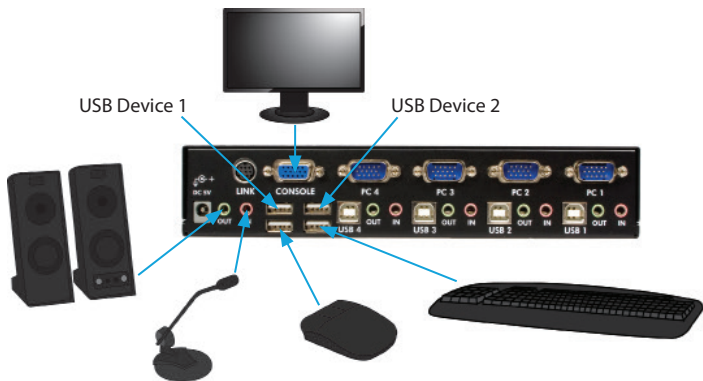
**Please Note:** SV431USBAE is capable of switching between computers while maintaining USB mouse and keyboard control. If you plan to share other peripherals such as a CCD camera, printer or scanner, you must shut down the corresponding driver on the computer from which KVM control is being switched.

Because port switching is equivalent to unplugging the USB cable from one computer and plugging it in on another, some USB drivers continuously check attached USB peripherals and do not accept plug and play functionality.

## Console Connection

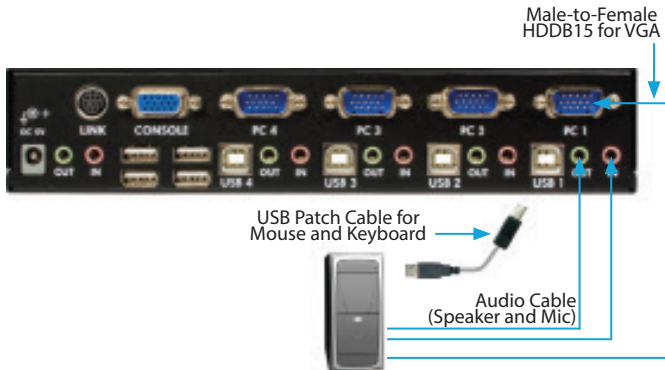
Before installation, please ensure that all devices and computers to be connected to the KVM Switch have been turned off.

1. Connect the monitor that will be used to the Console VGA port on the rear panel of SV431USBAE.
2. Connect a USB keyboard and a USB mouse to any two of the Console USB ports as shown below:



# Connecting Slave Computers

1. Connect the VGA port located on the rear panel of SV431USBAE to the VGA port provided by the video connection on the desired computer, using an HDB15 male to female cable. Please note the PC Port number, for steps 2 and 3.
2. Using a USB A-B Cable, connect the USB port that corresponds with the PC port used in step 1, to the USB port on the corresponding computer, as shown below.
3. **Optional:** Using an audio cable (Speaker and Mic), connect the Speaker and Mic ports provided by the PC port used in step 1 on SV431USBAE to the Speaker and Mic ports located on the computer.



4. Repeat steps 1-4 as necessary for each computer you wish to connect. Once all computers have been connected, you can turn on all devices and computers.

# Operation

## Front Panel

1. **Online and Selected LEDs:** When the LED turns green, the connected computer is powered on. When a computer is selected, the corresponding (red) LED will illuminate.
2. **Pushbuttons:** Each computer has a button associated with it on the front panel for selection

## Auto Scan

Auto Scan automatically scans through the connected computers individually, in a fixed interval

**Please note:** Keyboard and Mouse are not operable during Auto Scan.

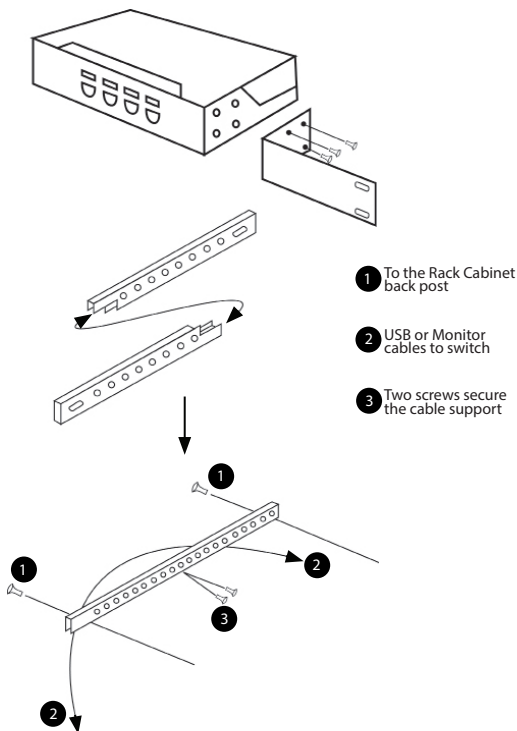
To activate Auto Scan, press down the **3** and **4** buttons (on the front panel) simultaneously. To exit Auto Scan, tap any one of the pushbuttons.

To change the Scan Time interval, press both front panel buttons 1 and 2 simultaneously.

The switch will beep 1, 2, 3 or 4 times for Scan Times of 3, 8, 15 or 30 seconds respectively.

## Optional: Rack Mount Installation

The following illustration depicts how to attach optional mount brackets and cable support for rack mounting SV431USBAE. To do so, you may wish to use SV431RACK (please see Accessory Products from StarTech.com for further information).





# Specifications

|                                                  |                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------|
| <b>Computers Supported</b>                       | 4                                                                       |
| <b>Front Panel Push Buttons</b>                  | 4                                                                       |
| <b>Hot Plug-and-Play Supported</b>               | Yes                                                                     |
| <b>Automatic Scan Interval</b>                   | 3, 8, 15, 30 seconds                                                    |
| <b>Cable Length (Max)</b>                        | 30M (100ft) for VGA 5M (15ft) for USB                                   |
| <b>Computer ON-LINE LED</b>                      | 4                                                                       |
| <b>Computer Selected LED</b>                     | 4                                                                       |
| <b>Resolution Supported</b>                      | 1920 x 1440, DDC2B                                                      |
| <b>Computer Peripheral Connector<br/>Monitor</b> | USB Type B x 4<br>HDB-15 Male x 4<br>SPEAKER Jack x 4<br>MIC Jack x 4   |
| <b>Console Peripheral Connector<br/>Monitor</b>  | USB Type A x 4<br>HDB-15 Female x 1<br>SPEAKER Jack x 1<br>MIC Jack x 1 |
| <b>Weight (g) / (oz.)</b>                        | 1000 / 35.27                                                            |
| <b>H x W x D (mm) / (in.)</b>                    | 44 x 220 x 130 / 1.7 x 8.7 x 5.1                                        |

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For the latest drivers/software, please visit **[www.startech.com/downloads](http://www.startech.com/downloads)**

## Warranty Information

This product is backed by a three 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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