StarTech.com

Hard-to-find **made easy**®

2/ 4 Port Triple Monitor DVI USB KVM Switch with Audio and USB 2.0 Hub

SV231TDVIUA
SV431TDVIUA

*SV431TDVIUA shown

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

For the most up-to-date information, please visit: www.startech.com

Manual Revision: 04/01/2022

StarTech.com
Hard-to-find made easy®

Table of Contents

StarTech.com

Hard-to-find made easy®

Introduction

The 2/ 4-Port Triple Monitor DVI USB KVM Switch allows 2 or 4 PCs, each with 3 DVI video outputs, to share monitors, 1 microphone and set of speakers, 1 keyboard and 1 mouse as well as an additional USB 2.0 peripheral such as an external hard drive, thumb drive, printer, or webcam.

The Triple DVI KVM switch allows you to switch back and forth between multi DVI PCs at the touch of a button, while maintaining professional-level video quality on all monitors at resolutions up to 1920x1200. The triple DVI switch also features an integrated USB hub port that allows USB 2.0 peripherals to be shared between attached systems - eliminating duplicate peripheral costs, and offering the convenience of sharing stored data between PCs.

Packaging Contents

- 1 x Triple Display KVM Switch
- 4 x Rubber Foot Pads
- 1 x Universal Power Adapter (NA/ UK/ EU)
- 1 x Instruction Manual

System Requirements

- Up to three DVI enabled display devices (i.e. monitor, projector, TV, etc.)
- DVI male/ male cable for each display
- A DVI output for each DVI display device for each computer
- DVI/ USB KVM cable for each computer
- Additional DVI cable(s) for each additional display beyond the first
- USB enabled computer system with available USB port
- Standard 104-key wired USB keyboard
- Standard 3-button wired USB mouse

StarTech.com
Hard-to-find made easy®

Front View *SV431TDVIUA shown

Port Link/ Selection LED

Port Selection Button

Power LED

Rear View *SV431TDVIUA shown

Function Button

Console DVI-I connectors (Output)

DC Power connector

3.5mm Audio (headphone/mic)

Console USB keyboard/ mouse port

USB 2.0 Hub

Computer connectors (PC1)

StarTech.com
Hard-to-find made easy®
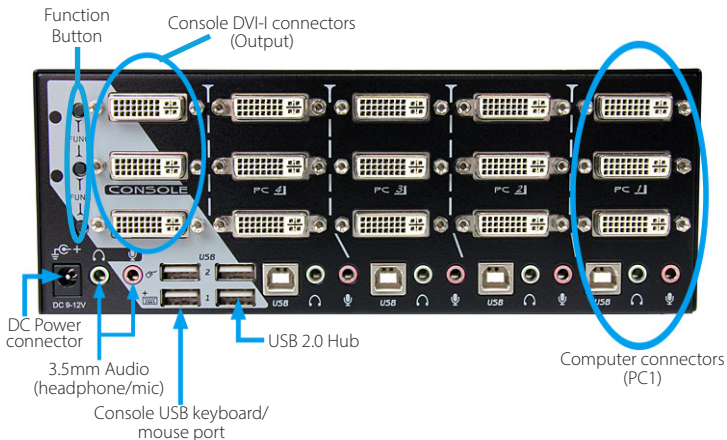
Installation

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'.

  - Under 'PNP AND PCI SETUP', set the option '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.

Hardware Installation

1. Connect up to three monitor(s) into the Console's DVI connectors; plug a USB keyboard and a USB mouse into the dedicated USB keyboard and mouse ports on the KVM switch. If using audio, also connect speakers with 3.5mm mini-jack plugs.

2. Use male-to-male DVI video cable(s) to connect the DVI connector(s) on the computer's video card, to the DVI ports for one of the KVM's PC ports (i.e. PC1).

NOTE: Do not mix different types of DVI cables (DVI-I, DVI-D) on the same KVM.

3. Use a USB type A-B Cable to connect the KVM's USB port (type B, square connector) for the PC port used in Step 2, and the USB port on the computer (type A, flat connector). If using audio, connect 3.5mm mini-jack cables from the PC port to the sound card.

NOTE: DVI + USB + Audio KVM combo cables are also available which can be used in place of separate individual cables (e.g. StarTech.com ID: **DVI4N1USB6**).

4. Repeat Steps 2 and 3 for each PC port on the KVM switch, or each computer you wish to use on the KVM.

5. **OPTIONAL:** Connect any other USB peripheral you wish to share between the connected computers/devices to the extra USB Hub port on the Console side.

6. Connect the external power adapter from a wall outlet to the power connector on the rear panel of the KVM switch.

7. Power up the first computer/device and wait for it to fully boot and test keyboard/mouse functionality.

StarTech.com
Hard-to-find made easy®

8. Once operation has been successfully confirmed, switch to the next port and power up that computer/device and confirm.

9. Once completed for all computers/devices connected to the KVM switch, you should be able to switch between ports freely.

Driver Installation

No driver installation is required for the KVM switch, as the keyboard/mouse use USB drivers that are already installed on any operating system that fully supports USB.

Operation

Front Panel

Port Selection/Link LED

The LED turns green when the connected computer is powered-on. The corresponding LED will also illuminate red when that PC port is currently selected.

Port Selection Button

For 2 Port model, each push of the Selection Button on the front of the KVM switch will immediately switch between the two ports on the KVM switch.
For 4 Port model, each push of the Selection Button on the front of the KVM switch will immediately switch to the selected computer.

Auto Scan

The KVM automatically scans through the powered-on computers in sequence on a fixed time interval (see Scan Time below). 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 push buttons. (4 port model only)

NOTE: When Auto Scan detects any keyboard activity, it suspends the scanning until the activity stops; it then resumes with the next computer in sequence. The length of the Auto Scan interval (Scan Rate) is adjustable, see below.

Scan Time

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

To change the Scan Time interval, press both front panel buttons "1" and "2" simultaneously. The unit beeps 1, 2, 3 or 4 times for Scan Time of 3, 8, 15 or 30 seconds respectively. (4 port model only)

NOTE: Scan Time is automatically set to the default of 3 seconds when the units loses power.

StarTech.com
Hard-to-find made easy®

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:

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

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

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).

To start Auto Scan:

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 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.

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

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

StarTech.com
Hard-to-find made easy®

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 Time, set the scan time of duration before switching to the next computer:

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

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

Adjust Video Signal (for 4 port model only)

The video signal can be optimized to the length or quality of your DVI cable. Only perform this operation if you are experiencing video quality issues.

Step 1. Press the "FUNC" button 3 times. The "POWER" LED will start flashing.

Step 2. The settings are adjusted by pressing the numbered buttons on the front of the KVM.

A) Button "1" Adjusts the EQUALIZATION of the video source. 1 Beep is normal, 2 beeps is enhanced.

B) Button "3" Adjusts the output CURRENT of the video source. 1 Beep is normal, 2 beeps is enhanced.

C) Button "4" Adjusts the AMPLIFICATION of the video source. 1 Beep is normal, 2 beeps is low, 3 beeps is medium, 4 beeps is high.

Step 3. Press the same "FUNC" button from Step 1 to exit.

StarTech.com

Hard-to-find made easy®

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.

<center>**Left <CTRL> + Left <CTRL> + <F5>**</center>

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:

<center>**Left <CTRL> + Left <CTRL> + <A>**</center>

StarTech.com
Hard-to-find made easy®

Alternative Hotkey Commands

In addition to the Left <CTRL> + Left <CTRL> hotkeys, there are two alternative hotkey sequences available.

1. For the following operations, users may press <ScrollLock> twice instead of pressing left <CTRL> twice.

   To select a computer:

   <ScrollLock> + <ScrollLock> + <1>
   (Example: Select the computer at port 1.)

   <ScrollLock> + <ScrollLock> + <2>
   (Example: Select the computer at port 2.)

   NOTE: Do not use the keypad at the right of the keyboard.

2. For those keyboards that do not have or support <ScrollLock>, please press and HOLD the Left <SHIFT> and press <NumLock> twice instead of pressing Left <CTRL> twice.

   To select a computer:

   Hold Left <SHIFT> + Press <NumLock> + Press <NumLock>
   then release <SHIFT> + Press <1>
   (Example: Select the computer at port 1.)

   Hold Left <SHIFT> + Press <NumLock> + Press <NumLock>
   then release <SHIFT> + Press <2>
   (Example: Select the computer at port 2.)

   NOTE: Do not use the keypad at the right of the keyboard.

StarTech.com
Hard-to-find made easy®

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>

StarTech.com

Hard-to-find made easy®

Specifications

	SV231TDVIUA	SV431TDVIUA
Number of Ports	2	4
Console Connectors	3 x 19-pin DVI-I female 4 x USB type A female 2 x 3.5mm Audio female	
Computer Connectors (per port)	3 x 19-pin DVI-I female 1 x USB type B female 2 x 3.5mm Audio female	
LEDs	2 x Computer Link/ Selection	1 x Power 4 x Computer Link/ Selection
Switching Modes	Push button, Hot-key	
Maximum Video Resolution	1920x1200	
DDC2B Support	Yes	
Audio Support	Yes (headphone/ mic)	
On Screen Display	No	
Cascadable	No	
Power Adapter	12V DC, 1500mA, center positive, type M plug	
Enclosure Material	Metal	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Storage Temperature	-10°C ~ 60°C (14°F ~ 140°F)	
Humidity	0% ~ 80% RH	
Dimensions (WxDxH)	159.0mm x 100.0mm x 74.0mm	219.0mm x 130.0mm x 81.0mm
Weight	900g	1500g

StarTech.com
Hard-to-find made easy®

Technical Support

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** and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit **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.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

StarTech.com
Hard-to-find made easy®

StarTech.com

Hard-to-find made easy®

Hard-to-find made easy. At StarTech.com, that isn't a slogan. It's a promise.

StarTech.com is your one-stop source for every connectivity part you need. From the latest technology to legacy products — and all the parts that bridge the old and new — we can help you find the parts that connect your solutions.

We make it easy to locate the parts, and we quickly deliver them wherever they need to go. Just talk to one of our tech advisors or visit our website. You'll be connected to the products you need in no time.

Visit www.StarTech.com for complete information on all StarTech.com products and to access exclusive resources and time-saving tools.

StarTech.com is an ISO 9001 Registered manufacturer of connectivity and technology parts. StarTech.com was founded in 1985 and has operations in the United States, Canada, the United Kingdom and Taiwan servicing a worldwide market.

Reviews

Share your experiences using StarTech.com products, including product applications and setup, what you love about the products, and areas for improvement.

StarTech.com Ltd.	**StarTech.com LLP**	**StarTech.com Ltd.**	**StarTech.com Ltd.**
45 Artisans Crescent London, Ontario N5V 5E9 Canada	4490 South Hamilton Road Groveport, Ohio 43125 U.S.A.	Unit B, Pinnacle 15 Gowerton Road Brackmills, Northampton NN4 7BW United Kingdom	Siriusdreef 17-27 2132 WT Hoofddorp The Netherlands

FR: fr.startech.com ES: es.startech.com IT: it.startech.com

DE: de.startech.com NL: nl.startech.com JP: jp.startech.com