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2 or 4 Port Dual DVI USB KVM Switch with Audio and USB 2.0 Hub

SV231DVIDDU
SV431DVIDDU

*SV431DVIDDU 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
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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

This 2 Port Dual DVI USB KVM Switch allows two PCs, each with dual DVI displays, to share two monitors, one microphone (and set of speakers), one keyboard and one mouse as well as two other USB peripherals.

An ideal solution for graphic designers, CAD/CAM designers or educational and financial institutions, the Dual DVI USB KVM Switch allows you to instantly switch back and forth between PCs at the touch of a button while maintaining professional level video quality on both DVI monitors, in turn saving money by eliminating redundant peripheral purchases.

Packaging Contents

- 1x 2 port Dual DVI KVM Switch
- 1x Power Adapter
- 1x Instruction Manual

System Requirements

- Console Side
- One or two DVI Monitors
- One USB Keyboard
- One USB mouse
- One 3.5mm microphone (optional)
- One 3.5mm audio output device (Optional)

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Computer Side

- One DVI cable per DVI port (Maximum 2 ports per computer)

- One USB A-B Cable with Type-A and Type-B plug per computer

- Two 3.5mm audio cables per computer (Optional)

- Please Note: In place of using individual cables, StarTech.com offers a 6 ft. 4-in-1 USB, DVI, Audio, and Microphone KVM Switch Cable (USBDVI4N1A6) that can fulfill USB, audio, and video functions in one convenient unit. For dual head video cards an additional DVI cable will also be required.

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SV431DVIDDU Front

Port Selection
Button

USB Hub
Selection
LED

Computer
Selection
LED

SV431DVIDDU Back

Console
DVI Ports

Computer
Connectors

USB Hub
ports

DC
Power

Console USB
Keyboard/
Mouse ports

Console
Speaker/MIC
ports
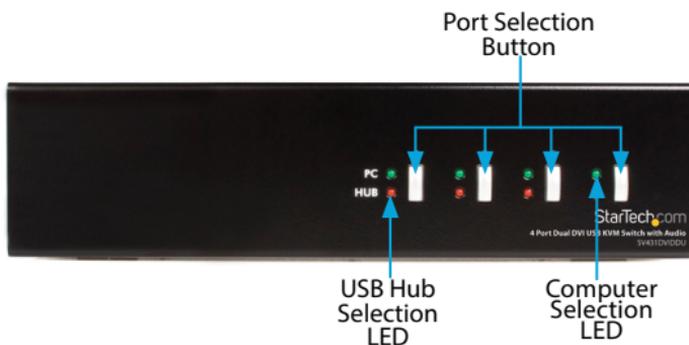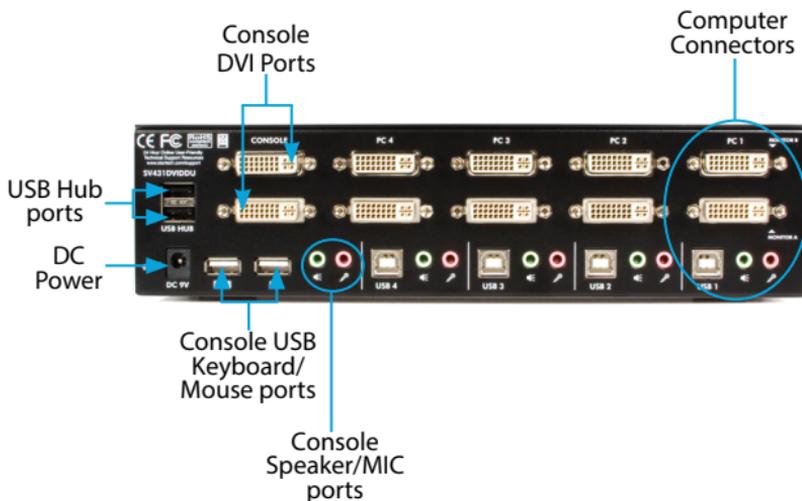
*SV431DVIDDU shown - actual product may vary from photo

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Hardware Installation

PC BIOS Notice

The following BIOS setup changes may be necessary for PC users.

1. In STANDARD CMOS, set HALT ON ERROR to ALL BUT KEYBOARD1.

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

Please Note: The KVM provides USB keyboard and mouse switching from one computer to the other. If you plan to share other pe¬ripherals (printer, scanner, Etc.) using the built in USB HUB, it is recommend that the software for each device be shut down prior to switching between computers.

Console Connection

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

1. Connect one or two DVI monitor(s) to the Console's DVI port.

2. Plug a USB keyboard and a USB mouse into the respective keyboard and mouse ports pictured on the KVM console.

3. (Optional) Connect an audio device, and microphone to the respective speaker and microphone ports pictured on the KVM console.

Computer Connection

1. Connect one or two DVI cables from the DVI out port(s) on each computer, to the corresponding DVI monitor A, Monitor B in port(s) on the KVM.

2. Connect One USB A-B Cable from a USB-A port on each computer, to the corresponding USB-B port on the KVM switch.

3. (Optional) Connect a 3.5 mm audio cable from the Microphone (pink), and the audio (green), out ports on each computer to the corresponding microphone and audio in port on the KVM switch.

4. Plug the power adapter into a wall outlet or other suitable power source. Connect the opposite end to the port marked DC 9V on the KVM switch.

5. Power on each of the connected DVI monitors. Then Power up each of the computers on at a time. After the computers are powered on the keyboard and mouse will be recognized. The KVM switch is now ready to use.

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Hardware Operation

There are two methods of switch operation for the KVM Switch: **Front-Panel Push Buttons,** and **Keyboard Hotkey Commands**. Steps of operation for both are outlined below.

Front-Panel Push Buttons

1. Press the front panel button that corresponds with the desired computer.

2. The desired computer's Display(s) and keyboard and mouse are now active through the KVM console.

Note: Binding, allows the user to choose if the Audio Equipment (audio device, and microphone), and/or USB HUB control switches with the computers when the Front-Panel Push Buttons are used for operation. Binding Preferences can be set using Keyboard Hotkey Commands.

Keyboard Hotkey Commands

Keyboard Hotkey Commands allow the user to operate the KVM switch by using the keyboard that is connected to the KVM console.

Each command is initiated by pressing the "Hotkey Command Key" twice. The "Hotkey Command" By default the is set to [SCROLL LOCK]. However, it can be changed to any of the following: [SCROLL LOCK], [CAPS], [ESC], [F12], [NUM LOCK].

To change the "Hotkey Command Key"

1. Press [ScrLk] + [ScrLk] + [H], which will be followed by two beeps indicating the KVM is ready to select a new "Hotkey Command Key". Alternatively press and hold down the last front-panel button (Button 2 on SV231DDUSB, Button 4 on SV431DDUSB) until two beeps are heard. Then release the button.

2. Select and press the key you would like to use as the "Hotkey Command Key". A single beep for selection confirmation will be heard.

3. The new "Hotkey Command Key" can now be used to execute hotkey commands.

A complete list of available commands, are outlined in the Hotkey Command Table below. Please note if the "Hotkey Command Key" has been changed, the new key will need to be substituted for [ScLK] where referenced.

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Hotkey Reference Chart

Command	Hotkey Sequence	Description
Select Active Computer	\<ScrLk\>+\<ScrLk\>+\<x\> (\<x\> = Port Number: 1, 2, etc.)	Selects which port has access to the keyboard/mouse/monitor.
Select Audio/Mic output	\<ScrLk\>+\<ScrLk\>+\<Fy\> (\<Fy\> = Function key: F5=Port 1, F6=Port 2, etc.)	Selects which port's speaker and microphone output is active at the console.
Bind computer and Audio/ Mic control (default)	\<ScrLk\>+\<ScrLk\>+\<Q\>	When either the "select active computer" or "select audio/mic output" commands are executed, both functions are
Unbind computer and Audio/Mic output control	\<ScrLk\>+\<ScrLk\>+\<W\>	Computer control and Audio/Mic output control can be assigned to different ports at the same time.
Select next/previous port	\<ScrLk\>+\<ScrLk\>+\<▲\> or\< ▼\>	Selects the next (up arrow key) or previous (down arrow key) numbered port for control.
Select previous port	\<ScrLk\> + \<ScrLk\> + \<BackSpace\>	Selects the most recent previously active port
Beep sound on/off	\<ScrLk\>+\<ScrLk\>+\<B\>	Enables/disables audible responses from the KVM.
Define new hotkey sequence	\<ScrLk\>+\<ScrLk\>+\<H\>+\<y\> (\<y\>= Scroll Lock, Caps Lock, ESC, F12 or Num Lock)	Change the standard \<ScrLk\> hotkey to a new value (see "Hotkey Control" for more info).

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Auto-scan	<ScrLk>+<ScrLk>+<S>	Automatically cycle through active ports in sequence every 10 seconds.
Auto-scan with programmable delay	<ScrLk>+<ScrLk>+<S>+<z> (<z>= 0~9: where 1=10sec, 2=20sec…9=90sec, 0=100sec)	Auto-scan with a custom set delay time.
Stop Auto-scan	Press any key on keyboard	Terminate Auto-scan activity.

1. The USB keyboard hotkeys allow you faster and broader control of KVM switching operation, in addition to the front-panel buttons. If you have configured a hotkey preceding sequence other than two consecutive scroll locks, you should change your hotkey sequence accordingly.

2. When the binding of PC, Audio and Mic switching is enabled by the hotkey sequence: ScrLk + ScrLk + Q, any PC, audio and mic switching are bound together. To remove this binding, use the hotkey sequence: ScrLk +ScrLk + W

LED Information

Green LED indicates PC port status: solid green – active port; flashing green – PC not connected;

Red LED indicates hub port control status: solid red – that PC has the control of all hub ports.

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Specifications

Computers supported	2 (SV231DVIDDU), 4 (SV431DVIDDU)
Front panel push buttons	2 (SV231DVIDDU), 4 (SV431DVIDDU)
Automatic scan interval	10 - 60 seconds (in 5 second intervals)
Resolution supported	1920 x 1200 (digital), 2048 x 1536 (analog)
Computer peripheral connector Monitor	USB Type B x 4 DVI-I x 8 SPEAKER Jack x 4 MIC Jack x 4
Console peripheral connector monitor	USB Keyboard x 1 USB Mouse x 1 DVI-I x 2 SPEAKER Jack x 1 MIC Jack x 1 USB Hub (2 ports provided)
H x W x D (mm)	253 × 100 × 66 mm
(in.)	10 x 4 x 2.6"
Operation Temperature	0 ~ 40°C
Storage Temperature	- 20 ~ 60°C
Humidity	0~90% RH, non-condensing

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Technical Support

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