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4-Port USB KVM Switch - DisplayPort - 4K 60Hz

SV431DPUA2



*actual product may vary from photos

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For the latest information, technical specifications, and support for this product, please visit www.StarTech.com/SV431DPUA2.

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

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

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

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

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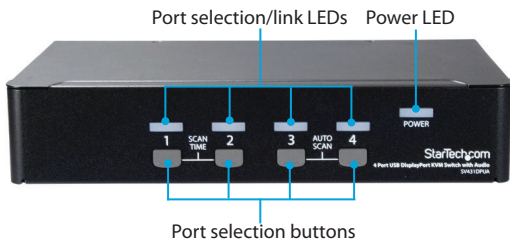
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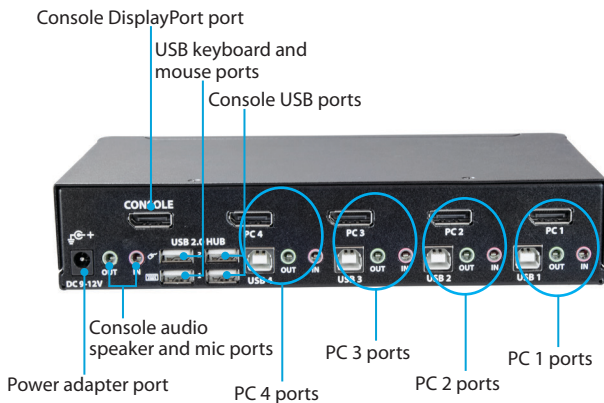
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Product diagram

Front view



Rear view



Package contents

- 1 x KVM switch
- 4 x foot pads
- 1 x universal power adapter (NA/JP, EU, UK, ANZ)
- 1 x quick-start guide

Requirements

- DisplayPort™
- cables
- USB-A to USB-cable or USB-C to USB-B cable'
- 3.5 mm audio cables
- Computer system or video card enabled with DisplayPort
- Computer system enabled with USB
- Display device (for example, monitor, projector, TV, and so on) enabled with DisplayPort
- Standard wired or wireless USB keyboard
- Standard wired or wireless USB mouse

Requirements are subject to change. For the latest requirements, please visit www.StarTech.com/SV431DPUA2.

About the LED indicators

The KVM switch comes with a port selection/link LED for each port, as well as a power LED. For more information about the LEDs, consult the table below.

LED	Behavior	Scenario
Power LED	Illuminated	KVM switch is receiving power
	Illuminated green	Connected computer is turned on
Port selection/link LEDs	Illuminated red	Connected computer is currently selected
	Blinking	Auto Scan process is in progress

Installation

Set up your PC

The following setup changes are required for PC users and aren't necessary if you're using a mac.

1. In **Standard CMOS**, set **Halt on Error** to **All But Keyboard**.
2. In **PNP and PCI Setup**, set **PNP OS Installed** to **Yes**.
3. In **PNP and PCI Setup**, set **USB IRQ** to **Enabled**.

Connect the console to the KVM switch

1. Turn off your computer and any devices or peripherals that are connected to it (for example, printers, external hard drives, and so on).
2. Connect a monitor or display to the console DisplayPort port.

3. Do one of the following:
 - Connect a keyboard and a mouse to the USB keyboard and mouse ports.
 - If you're using a combination wireless keyboard and mouse, connect the wireless receiver to the keyboard port.
4. If necessary, do any of the following:
 - Connect speakers to the console audio speaker port.
 - Connect a microphone to the console mic port.
 - Connect USB peripherals to the USB hub ports.

Connect a computer to the KVM switch

You can connect up to four computers to the KVM switch.

1. Turn off the computers that you want to connect to the KVM switch and any devices or peripherals that are connected to the computers (for example, printers, external hard drives, and so on).
2. Connect a DisplayPort video cable to the DisplayPort port on your computer and to one of the PC DisplayPort ports on the KVM switch.
3. Connect a USB cable to the USB port on the computer and to the PC USB port on the KVM switch
4. If you're using audio, connect speakers and/or a microphone to the PC audio speaker and mic ports on the KVM switch.
5. To connect additional computers, repeat steps 1 to 4.
6. If you want to share USB peripherals between connected computers or devices, connect the peripherals to the USB hub ports on the KVM switch.
7. Connect the universal power adapter to a power source and to the power adapter port on the KVM switch. The power LED should illuminate.
8. Turn on any devices or peripherals that are connected to the computer, and then turn on the connected computer. Wait for the computer to finishing loading and then test the functionality of the keyboard and mouse of the connected computer.
9. If additional computers are connected to the KVM switch, select a different port and repeat step 8 until you have tested the functionality of all of the connected computers.

About drivers

You don't need to install any drivers to use this KVM switch because the keyboard and mouse use generic USB drivers that are already installed on any operating system that supports USB technology.

Select a computer

To select a computer, do one of the following:

- Push the port selection button for the connected computer that you want to select. The port selection/link LED illuminates red to indicate the selected port.
- If you're using a computer that's running a version of Windows® or Linux®, you can use hotkey commands to select a computer. To use the hotkey command, press **Left Ctrl, Left Ctrl, <the number of the computer that you want to select>**. The port selection/link LED illuminates red to indicate the selected computer. For more information about hotkey commands, see the "Using hotkey commands" section of the manual.

Start an Auto Scan

The KVM switch includes an Auto Scan feature that you can use to scan through the connected computers in sequence with a fixed scan time. If any keyboard or mouse activity is detected during the Auto Scan process, the scanning is paused until the activity stops and then the scan resumes with the next computer in the sequence.

To start an Auto Scan, do one of the following:

- Press port selection buttons 3 and 4 simultaneously. The port selection/link LEDs blink during the Auto Scan process. To exit the Auto Scan, press any of the port selection buttons.
- If you're using a computer that's running a version of Windows or Linux, you can use hotkey commands to start an Auto Scan. To use the hotkey command, press **Left Ctrl, Left Ctrl, F1**. The port selection/link LEDs blink during the Auto Scan process. To exit the Auto Scan, press **Left Ctrl, Left Ctrl**. For more information about hotkey commands, see the "Using hotkey commands" section of the manual.

Set the duration of the scan time

You can set the duration of the scan time to 3, 8, 15, or 30 seconds.

To change the scan time, do one of the following:

- Press port selection buttons 1 and 2 simultaneously. The KVM switch beeps to indicate the duration of the scan time. It will beep once for 3 seconds, twice for 8 seconds, three times for 15 seconds, and four times for 30 seconds.
- If you're using a computer that's running a version of Windows or Linux, you can use hotkey commands to start an Auto Scan. To use the hotkey command, press **Left Ctrl, Left Ctrl, F3**. The KVM switch beeps to indicate the duration of the scan time. It will beep once for 3 seconds, twice for 8 seconds, three times for 15 seconds, and four times for 30 seconds. For more information about hotkey commands, see the "Using hotkey commands" section of the manual.

Using hotkey commands

If you're using a computer that's running a version of Windows or Linux, you can use hotkey commands to operate the KVM switch. All hotkey commands begin by pressing the **Left Ctrl** key twice and then pressing one or two additional keys.

The KVM switch emits a high-pitched beep when you enter a correct hotkey command sequence and low-pitched beep when you enter an incorrect command. Incorrect hotkey commands aren't sent to the computer.

Note: Hotkey commands aren't supported in the macOS operating system.

Disable hotkey commands

By default, hotkey commands are enabled on the KVM switch.

- To disable hotkey commands, press and hold the **Left Shift** key and press **Num Lock** twice. Release the **Left Shift** key and then press the **Left Ctrl** key.

To enable hotkey commands, repeat the key sequence used to disable the hotkey commands.

Select a computer

- To select a computer, press the **Left Ctrl** key twice and the number of the PC port that you want to select. For example, if you want to select computer 2, you would press **Left Ctrl, Left Ctrl, 2**.

Caution! Don't use the numeric keyboard on the right side of your keyboard when you complete the hotkey command above.

Start an Auto Scan

- To start an Auto Scan, press **Left Ctrl, Left Ctrl, F1**. The port selection/link LEDs blink during the Auto Scan process.

To exit the Auto Scan, press **Left Ctrl, Left Ctrl**.

Set the duration of the scan time

You can set the duration of the scan time to 3, 8, 15, or 30 seconds.

- To change the scan time, press **Left Ctrl, Left Ctrl, F3**.

The KVM switch beeps to indicate the duration of the scan time. It will beep once for 3 seconds, twice for 8 seconds, three times for 15 seconds, and four times for 30 seconds.

Scan computers manually

The KVM switch includes a manual scan feature that you can use to switch between connected computers that are turned on.

1. To initiate a manual scan, press **Left Ctrl, Left Ctrl, F2**.
2. Do one of the following:
 - To select the previous computer, press the **up arrow** key.
 - To select the next computer, press the **down arrow** key.

To stop the manual scan, press any key.

Disable the Audio Stick feature

By default, the Audio Stick feature is enabled on the KVM switch, which means that the audio selection is determined by the computer that is currently selected. For example, if you switch to computer 2, the audio selection changes to computer 2.

You can disable the Audio Stick feature and make the audio selection independent from the computer that is currently selected. For example, if you select computer 1 and then switch to computer 2, the audio selection remains with computer 1 until you change it.

- To disable the Audio Stick feature, press **Left Ctrl, Left Ctrl, F5**.

The KVM switch beeps once to indicate that the Audio Stick feature is disabled.

To enable the Audio Stick feature, press **Left Ctrl, Left Ctrl, A**. The KVM switch beeps twice to indicate that the Audio Stick feature is enabled.

Enable or disable the USB port rule feature

The KVM switch includes a USB port rule feature that impacts the USB ports on the console side. When the USB port rule feature is turned on, the USB port selection is determined by the computer selection. For example, if you're using computer 1 and you switch to computer 2, the USB port selection corresponds to computer 2. If you disable the USB port rule feature, the USB port selection is independent of the selected computer.

1. Do one of the following:

- To disable the USB port rule on USB 1, press **Left Ctrl, Left Ctrl, F7**.
- To disable the USB port rule on USB 2, press **Left Ctrl, Left Ctrl, F8**.
- To enable the USB port rule feature on either USB port, press **Left Ctrl, Left Ctrl, U**.

Note: Make sure that the USB device is properly connected before you switch to the next computer.

Use an alternative hotkey command

In addition to the Left Ctrl hotkey commands, there are two alternative commands that you can use to select a computer:

- Press **Scroll Lock, Scroll Lock**, <*the number of the port that you want to select*>.
- Press and hold the **Left Shift** key and press **Num Lock** twice. Release the **Left Shift** key and then press the number of the port that you want to select.

Note: Do not use the numeric keypad on the right side of the keyboard when you complete the hotkey commands listed above.

Troubleshooting

I can't get my wireless mouse and keyboard to work

Some wireless mice and keyboards do work with KVM switches, but in general, most wireless mice and keyboards don't support KVM switches. If you're using a wireless mouse and keyboard in your setup and are experiencing issues with your KVM switch, try the following:

- Remove the wireless mouse and keyboard transmitters from the console USB mouse and keyboard ports, and move the transmitters to one of the USB hub ports on the KVM switch.

Note: Hotkey commands won't work if the wireless keyboard transmitter is plugged into one of the USB hub ports.

If you're still experiencing issues, replace the wireless mouse and keyboard with a wired mouse and keyboard.

I can't get my gaming or combination mouse and keyboard to work

Gaming mice and keyboards and combination mice and keyboards have more buttons and functionality than 3-button mice and 104-key keyboards. Most KVM switches don't support the additional key functions and using them in your setup may impact the performance of your KVM switch. As such, StarTech.com recommends that you might use a standard 3-button wired mouse and a 104-key wired keyboard in your setup.

My display or video destination uses a different type of video connector than DisplayPort

If the display or video destination in your setup uses a different type of video connector than DisplayPort, you can use a converter to change the output type. For more information, visit www.StarTech.com to see the different types of converters that are available.

My keyboard keeps repeating keys when it's plugged into the KVM switch

To resolve this issue, try the following:

- If you're running a version of the Windows OS, in the Control Panel, navigate to the keyboard settings and adjust the repeat delay and repeat rate until the keys no longer repeat.
- If your keyboard is plugged into one of the USB keyboard ports on the KVM switch, unplug it and plug it into one of the USB hub ports.

Note: Hotkey commands aren't available if your keyboard is plugged into a USB hub port.

My mouse doesn't move properly between my monitors

If you're running a version of the Windows OS, in order for your mouse to move properly between your monitors, you need to rearrange your monitors in Windows to match the physical location of your monitors in your setup.

1. In the **Control Panel**, navigate to the display settings.
2. To see how the operating system has ordered the monitors, click **Identify**.
3. Click and drag the **monitor** icons until the order in the operating system matches the physical setup of the monitors.
4. Click **OK** to apply the changes and close the window.

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