

## 2-Port KVM Switch with Dual DisplayPort - 4K 60Hz

SV231DPDDUA2



\*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/SV231DPDDUA2](http://www.Startech.com/SV231DPDDUA2).



## 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 to an outlet on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. If shielded interface cables are included with the product, or if additional components or accessories are designated for use with the installation, they must be used to ensure compliance with FCC regulations.

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# Introduction

You can use the SV231DPDDUA2 to control two computers enabled with DisplayPort™ 1.2, and share USB 2.0 peripherals among the connected computers.

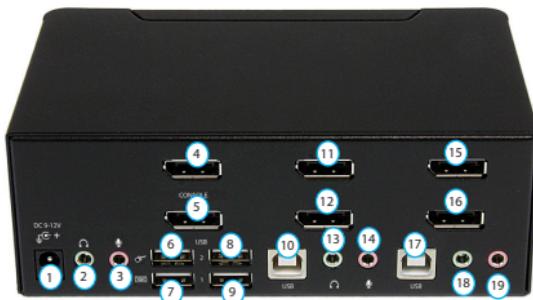
If you connect monitors enabled with DisplayPort 1.2, the SV231DPDDUA2 supports 4K at 60Hz. This two-port dual monitor KVM switch includes 3.5 mm audio speaker and microphone ports, and a select button that you can use to quickly switch between connected computers. SV231DPDDUA2 also features support for hotkey commands.

## Product diagram

### Front view



### Back view



1 - Power input port	8 - USB hub port	15 - PC 1 DisplayPort port
2 - Console audio port	9 - USB hub port	16 - PC 1 DisplayPort port
3 - Console microphone port	10 - PC 2 USB port	17 - PC 1 USB port
4 - Console DisplayPort port	11 - PC 2 DisplayPort port	18 - PC 1 audio port
5 - Console DisplayPort port	12 - PC 2 DisplayPort port	19 - PC 1 microphone port
6 - Console USB mouse port	13 - PC 2 audio port	
7 - Console USB keyboard port	14 - PC 2 microphone port	

## Package contents

- 1 x KVM switch
- 1 x universal power adapter (NA, EU, UK, ANZ)
- 4 x rubber pads
- 1 x instruction manual

## System requirements

- Display device (for example, monitor, TV, and so on) equipped with DisplayPort 1.2
- Computer system and video card enabled with DisplayPort 1.2
- Computer system enabled with USB
- Standard 104-key wired USB keyboard
- Standard wired USB mouse
- 3.5 mm mini-jack microphone and/or speakers or headset (optional)

**Note:** This KVM switch supports DisplayPort 1.2 and earlier. However, to achieve maximum resolution, you need to use a display device and computer system that support DisplayPort 1.2.

The maximum resolution for this KVM switch is 4K at 60Hz. In order to obtain the maximum resolution, the monitor and computer that you're using must support 4K at 60Hz.

System requirements are subject to change. For the latest requirements, please visit [www.StarTech.com/SV231DPDDUA2](http://www.StarTech.com/SV231DPDDUA2).

# KVM switch setup

## Connect a 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 to the **Console DisplayPort port**.
3. If necessary, connect a second monitor to the second **Console DisplayPort port**.
4. Connect a USB mouse to the **Console USB mouse port**.
5. Connect a USB keyboard to the **Console USB keyboard port**.
6. If necessary, do the following:
  - Connect speakers or a headset to the **Console audio port**.
  - Connect a microphone to the **Console microphone port**.

## Connect computers to the KVM switch

You can connect one or two 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 male-to-male DisplayPort cable to the DisplayPort port on the computer and to the **PC 1 DisplayPort port**.
3. Connect a USB A-to-B cable to the USB port on the computer and to the **PC 1 USB port**.
4. To include audio in your setup, connect a set of audio cables to the speaker port on your computer and to the **PC 1 audio port**.
5. To add a microphone to your setup, connect a microphone to the microphone port on your computer and to the **PC 1 microphone port**.
6. To connect a second computer, repeat steps 1 to 5 and use the **PC 2 connections**.
7. Connect the universal power adapter to a wall outlet and to the **Power input port**.
8. Turn on the computer and any devices or peripherals that are connected to it. Wait for the computer to finish loading and then test the keyboard and mouse functionality of the connected computer.
9. If a second computer is connected to the KVM switch, press the **Select button** to change the focus to the second computer, and repeat step 8.

You should now be able to switch between the connected computers. If you experience issues with this KVM switch, see the "Troubleshooting" section of the manual.

## About drivers

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

# Operating the KVM switch

## About the LED indicators

There are three LED indicators located on the front of the KVM switch. For more information about what the LED behavior indicates, see the table below.

LED	Behavior	Meaning
Computer 1 LED	LED is illuminated red	Computer is selected
	LED is illuminated green	Computer is connected
Computer 2 LED	LED is illuminated red	Computer is selected
	LED is illuminated green	Computer is connected

## Select a port

- To switch between connected computers, press the **Select button** on the front of the KVM switch.

The LED of the selected computer illuminates red.

## Using hotkey commands

If you're using a computer that is 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 command and a low-pitched beep when you enter an incorrect command. Incorrect hotkey commands aren't sent to the computer.

To use hotkey commands, the keyboard you're using needs to be connected to the **Console USB keyboard port**.

**Note:** Hotkey commands aren't supported in the Mac OS operating system.

## Enable or 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, press and hold the **Left Shift** key and press **Num Lock** twice. Release the **Left Shift** key and then press the **Left Ctrl** key.

## 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 wanted to select computer 2, you would press **Left Ctrl**, **Left Ctrl**, **2**.

**Note:** Don't use the numeric keypad on the right side of the keyboard when you complete the hotkey command above.

## Enable or disable Independent Audio Switching

By default, Independent Audio Switching is disabled on the KVM switch, which means that the audio selection is determined by the computer that you select. For example, if you select computer 1 and then switch to computer 2, the audio selection changes to computer 2.

You can enable Independent Audio Switching 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 would remain with computer 1 until you change it.

- To enable Independent Audio Switching, on the computer with the audio that you want to listen to, press **Left Ctrl**, **Left Ctrl**, **F5**.
- To disable Independent Audio Switching, press **Left Ctrl**, **Left Ctrl**, **F5**.

The KVM switch beeps once to indicate that Independent Audio Switching is enabled, and beeps twice to indicate that Independent Audio Switching is disabled.

## Alternative hotkey commands

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 PC 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 PC 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

If you experience issues using this KVM switch and you're using a PC, you may want to make the following changes to the BIOS settings on your computer:

1. Set **HALT ON ERROR** to **All but keyboard**.
2. In **PNP AND PCI SETUP**, do the following:
  - Set **PNP OS INSTALLED** to **YES**.
  - Set **USB IRQ** to **ENABLED**.

## 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 transmitter from the **Console USB mouse port** and the **Console USB keyboard port**, and move the transmitter 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 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](http://www.StarTech.com) to see the different types of converters available.

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

To resolve this issue, try the following:

- 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.

- 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.

## 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 must 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. Click **Identify** to see how the operating system has ordered the monitors.
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.

# Technical support

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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 two-year warranty.

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