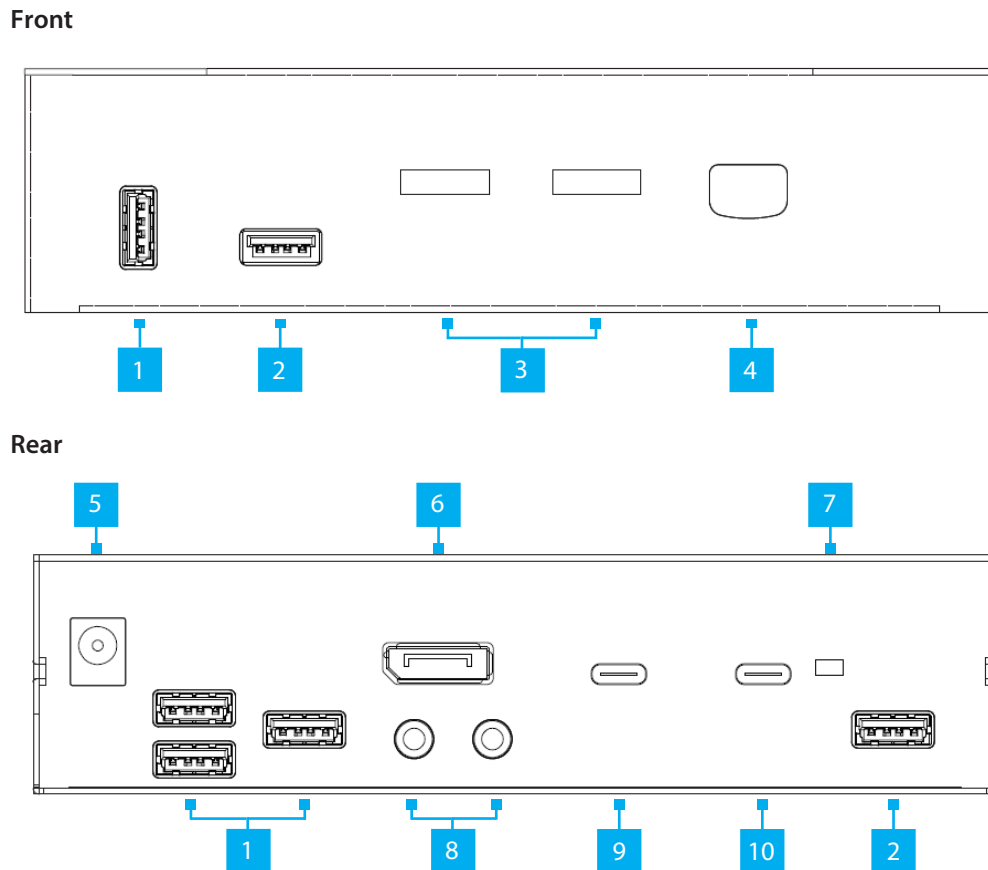


## 2-Port USB-C DisplayPort Alt Mode KVM Switch

### Product Diagram (SV231DPUCA)



Component	Function
1 Console USB HID Port	<ul style="list-style-type: none"> <li>Connect a <b>Human Interface Device (HID)</b> (e.g. Keyboard, Mouse, Trackpad, Number Keypad, or Drawing Tablet)</li> <li>Front (x1) and Rear (x3)</li> </ul>
2 Console USB Hub Port	<ul style="list-style-type: none"> <li>Connect a <b>SuperSpeed USB 5Gbps (USB 3.2 Gen 1) Peripheral Device</b></li> <li>Front (x1) and Rear (x1)</li> </ul>

3	Port Selection LED Indicators	<ul style="list-style-type: none"> <li><b>Solid Green</b> : PC1 or PC2 (Port not selected and PC Connected)</li> <li><b>Solid Red</b> : PC1 or PC2 (Port Selected and PC not Connected)</li> <li><b>Half Green/Half Red</b>: PC1 or PC2 (Port Selected and PC Connected)</li> </ul>
4	Port Selection Button	<ul style="list-style-type: none"> <li>Press the <b>Port Selection Button</b> to switch between PC 1 or PC 2</li> </ul>
5	Power Input Port	<ul style="list-style-type: none"> <li>Connect the supplied <b>Universal Power Adapter</b> to power the KVM Switch</li> </ul>
6	Console DisplayPort Output Port	<ul style="list-style-type: none"> <li>Connect to a <b>DisplayPort Input</b> on a Display</li> </ul>
7	Video Mode Switch	<ul style="list-style-type: none"> <li><b>Console DisplayPort Output Port and Console USB Hub Port</b> data transfer rate options: <ul style="list-style-type: none"> <li>4K 60Hz (4:4:4) with USB 480Mbps</li> <li>-- or --</li> <li>4K 30Hz (4:4:4) / 4K 60Hz (4:2:0) with USB 5Gbps</li> </ul> </li> </ul>
8	Console Audio Ports	<ul style="list-style-type: none"> <li><b>Green</b>: Connect an <b>Audio Device</b> (e.g. Speakers or Headphones)</li> <li><b>Pink</b>: Connect a <b>Microphone</b></li> </ul>
9	PC 2 USB-C Host Port	<ul style="list-style-type: none"> <li>Connect to a <b>Computer</b> with a <b>USB-C Port</b> <ul style="list-style-type: none"> <li>For full functionality <b>Host Computer USB-C Port</b> must support <b>DP-Alt Mode</b></li> </ul> </li> </ul>
10	PC 1 USB-C Host Port	<ul style="list-style-type: none"> <li>Connect to a <b>Computer</b> with a <b>USB-C Port</b> <ul style="list-style-type: none"> <li>For full functionality <b>Host Computer USB-C Port</b> must support <b>DP-Alt Mode</b></li> </ul> </li> </ul>

### Product Information

For the latest manuals, product information, technical specifications, and declarations of conformance, please visit: [www.StarTech.com/SV231DPUCA](http://www.StarTech.com/SV231DPUCA)

### Package Contents

- KVM Switch x 1
- Set of Rubber Feet x 1
- Universal Power Adapter x 1
- Quick-Start Guide x 1

# Requirements

## Source PCs

- Computers x 2
  - USB-C DisplayPort Alt-mode enabled
- SuperSpeed USB 5 Gbps (USB 3.2 Gen 1) USB-C Cables x 2

## Console

- DisplayPort Display x 1
- DisplayPort Cable x 1
- USB Mouse x 1
- USB Keyboard x 1
- (Optional) Audio Device (e.g. Headphones) x 1
- (Optional) Microphone Device x 1
- (Optional) USB HID Devices x 2
- (Optional) SuperSpeed USB 5Gbps (USB 3.2 Gen 1) Peripheral Devices x 2

# Installation

## Select Resolution and USB Speed

**Warning!** Always disconnect the **Universal Power Adapter** before adjusting the **Video Mode Switch**. The default mode of the **Video Mode Switch** is **4K@60+USB 2.0**.

1. Move the **Video Mode Switch** to the appropriate **Resolution** and **USB Speed** functionality for your setup, see **Component 7** for details.
2. Connect the **Universal Power Adapter** to the **Power Input Port** on the **KVM Switch**.

## Connect the Console

**Note:** Power off all **Computers, Displays, and Peripherals** before completing the following installation steps.

1. Connect a **DisplayPort Display** to the **Console DisplayPort Output Port**, located on the rear of the **KVM Switch**, using a **DisplayPort Cable** (sold separately).
2. Connect a **USB Mouse** and a **USB Keyboard** to the **Console USB HID Ports**, located on the front and rear of the **KVM Switch**.
3. (Optional) After connecting the **USB Mouse/Keyboard**, there are two remaining **Console USB HID Ports**, located on the front and/or rear of the **KVM Switch**, for connecting up to two additional **USB HIDs**.

# Regulatory Compliance

## FCC - Part 15

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:

- 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)

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.

4. Connect an **Audio Device** to the **Console Audio Port**, located on the rear of the **KVM Switch**.
5. (Optional) Connect up to two **SuperSpeed USB 5Gbps (USB 3.2 Gen 1) Peripheral Devices** to the **Console USB Hub Ports**, located on the front and rear of the **KVM Switch**.

**Note:** The **USB Devices** connected to **Console USB Hub Ports** will only work at **USB 480Mbps** if the **KVM Switch** is set to **4K@60+USB 2.0**

## Connect the PCs

1. Connect the **USB-C Cable** (sold separately) from the **USB-C Port** on the **Computer** to the **PC 1 USB-C Host Port** on the rear of the **KVM Switch**.

**Note:** The **USB-C Cable** needs to support Data, Power Delivery and DisplayPort Alt-mode for full functionality

2. Repeat step 1 for **PC 2**.

# Operation

## Power-On Sequence

1. Connect the **Universal Power Adapter** from a **Wall Outlet** to the **Power Input Port** on the **KVM Switch**.
2. Power on all **Peripherals**.
3. Select **PC1** by pressing and releasing the **Port Selection Button** until the **Port Selection LED Indicator** is **Solid Red** for **PC 1**. Power on the corresponding **Computer**.  
**Note:** Ensure **PC 1** has fully booted to the operating system before proceeding.
4. Repeat step 3 to connect **PC 2**.

# Troubleshooting

## No Video is Displayed

If the **KVM Switch** is not passing-through video to the connected **Display**, and the **Video Mode Switch** is set to **4K@30+USB 3.0**, complete the following steps:

1. Disconnect the **Universal Power Adapter** from the **KVM Switch**.
2. Disconnect the **USB-C Host Cables** from the **Host Computers** and the **KVM Switch**.
3. Move the **Video Mode Switch** to **4K@60+USB 2.0** position.
4. Reconnect the **Universal Power Adapter** to the **KVM Switch**.
5. Reconnect the **USB-C Host Cables** to the **Host Computers** and the **KVM Switch**.

**Note:** If the previous steps resolve the issue, do not revert the **Video Mode Switch** back to **4K@30+USB 3.0**

## Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to [www.startech.com/warranty](http://www.startech.com/warranty).

## 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.

## Safety Measures

If product has an exposed circuit board, do not touch the product under power.

## Mesures de sécurité

Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.

## 安全対策

製品に露出した状態の回路基盤が含まれる場合、電源が入っている状態で製品に触らないでください。

## Misure di sicurezza

Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.

## Säkerhetsåtgärder

Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.

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