

## 4x1 HDMI +DP to HDMI Converter Switch - 4K 60Hz

### Product Diagram (VS421HDDP)



Port	Function	
<b>Front</b>		
1	SWITCH Button	• Cycle through HDMI and DisplayPort Sources
2	DP IN Port	• Connect a DisplayPort Source Device
3	HDMI IN1 Port	• Connect an HDMI Source Device
4	HDMI IN2 Port	• Connect an HDMI Source Device
5	LED Indicators	• Indicates the current status of the Device and Ports
<b>Rear</b>		
6	IR EXT. Port	• Connect the IR Receiver
7	HDMI IN3 Port	• Connect an HDMI Source Device
8	HDMI OUT Port	• Connect an HDMI Display Device
9	DC 5V Power Port	• Connect a Power Source

### Requirements

- HDMI Source Devices (up to 4K @ 60Hz) x 3
- HDMI M/M Cables (sold separately) x 4
- DisplayPort Source Device (up to 4K @ 60Hz) x 1
- DisplayPort M/M Cable (sold separately) x 1
- HDMI Display Device x 1

**Note:** Premium High Speed HDMI and DisplayPort 1.2 Cables are required for optimal performance at 4K 60Hz.

For the latest requirements, please visit [www.startech.com/VS421HDDP](http://www.startech.com/VS421HDDP).

### Installation

**Note:** Ensure your **HDMI** and **DisplayPort Source Devices** and the **HDMI Display** are powered off before you begin the installation.

1. Connect an **HDMI Cable** (sold separately) to an **Output Port** on the **HDMI Source Device** and to one of the **HDMI IN Ports** on the **Converter Switch**.
2. Repeat step #1 for each of your remaining **HDMI Source Devices**.

**Note:** Each **HDMI Port** is numbered, please take note of which number is assigned to each **HDMI Source Device**.

3. Connect an **HDMI Cable** (sold separately) to the **HDMI OUT Port** on the **Converter Switch** and to an **HDMI Input Port** on the **HDMI Display Device**.
4. Connect a **DisplayPort Cable (sold separately)** to an **Output Port** on the **DisplayPort Source Device** and to the **DP IN Port** on the **Converter Switch**.
5. Connect the **Universal Power Adapter** to an available **Power Source** and to the **Power Adapter Port** on the **Converter Switch**.
6. Power on your **HDMI Display**, then power up each of your **HDMI** and **DisplayPort Source Devices**.

## Operation

### Manual Operation

Manual mode enables you to switch between **HDMI** and **DisplayPort Video Sources** using the **SWITCH Button** or the **IR Remote Control**.

### Input Selection Button

Press the **SWITCH Button** to toggle between the **HDMI** and **DisplayPort Source Devices**.

### IR Remote Control

Press ◀ or ▶ to cycle through all of the connected **Sources**. Cycle in one direction until the desired **HDMI** or **DisplayPort Source Device** is selected.

See the following table for **IR Remote Control Button** details:

IR Remote Control Button	Function
1	Switch Source to <b>DP IN</b>
2	Switch Source to <b>HDMI IN1</b>
3	Switch Source to <b>HDMI IN2</b>
4	Switch Source to <b>HDMI IN3</b>

### 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)

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.

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## Automatic Operation

The **Converter Switch** can automatically select the most recently activated or connected **HDMI** or **DisplayPort Source Device**.

Connect a new **Source Device** or turn on an already connected **Source Device** to automatically switch **Video Sources**.

### LED Indicators

LED Label	Function
POWER	<b>ON:</b> Device is powered on
	<b>OFF:</b> Device is powered off
DP IN	<b>ON:</b> DisplayPort Source is selected
	<b>OFF:</b> DisplayPort Source is not selected
HDMI IN (1,2,3)	<b>ON:</b> HDMI Source is selected
	<b>OFF:</b> HDMI Source is not selected
HDMI OUT	<b>ON:</b> HDMI Display Device is connected
	<b>OFF:</b> HDMI Display Device is not connected

## Battery Replacement

The **IR Remote Control** contains a CR2025 coin style **Battery** that can be replaced as needed. To replace the **Battery** follow these steps.

1. Place the **IR Remote Control** with the button side down on a flat and stable surface.
2. Locate the **Tab** at the bottom of the **IR Remote Control** and pinch the **Tab** inwards while pulling the **Battery Tray** away from the **IR Remote Control**.
3. Remove and replace the **Battery**.
4. Insert the **Battery Tray** back into the **IR Remote Control** until the **Tab** clicks.

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### 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).

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### 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 toucher 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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