



# StarTech HDMI Converter Switch User Guide

[Home](#) » [StarTech](#) » StarTech HDMI Converter Switch User Guide 

StarTech HDMI Converter Switch

Quick-Start Guide

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

Product Diagram (VS421HDDP)



Port		Function
Front		
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
Rear		
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

## Contents

- 1 [Requirements](#)
- 2 [Installation](#)
- 3 [Operation](#)
- 4 [Documents / Resources](#)
  - 4.1 [References](#)
- 5 [Related Posts](#)

## 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**.

To view manuals, FAQs, videos, drivers, downloads, technical drawings, and more, visit [www.startech.com/support](http://www.startech.com/support).

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>

### 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.

### 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.

#### **Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols**

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

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

#### **StarTech.com Ltd.**

45 Artisans Cres  
London, Ontario  
N5V 5E9  
Canada

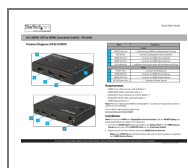
#### **StarTech.com LLP**

2500 Creekside  
Parkway  
Lockbourne, Ohio  
43137 U.S.A.

#### **StarTech.com Ltd.**

Unit B, Pinnacle 15  
Gowerton Rd,  
Brackmills Northampton  
NN4 7BW  
United Kingdom

## **Documents / Resources**



[StarTech HDMI Converter Switch](#) [pdf] User Guide  
HDMI Converter Switch, VS421HDDP

## **References**

- [StarTech.com](http://www.startech.com) | IT Pro's Trusted Source for Connectivity Accessories

- [!\[\]\(2dc8cdc0c918df88cde61039ecf68682\_img.jpg\) Unsere Produkte dienen IT- und A/V-Profis zum Verbinden, Konvertieren, Erweitern, Splitten und Switchen | Deutschland](#)
- [!\[\]\(793119bf0d613bd9b598fb8668922511\_img.jpg\) StarTech.com diseña y fabrica una variada gama de componentes para ordenadores, cables, conmutadores KVM, racks para... | España](#)
- [!\[\]\(0a4819029e810ca9d2aba79260b63a4d\_img.jpg\) StarTech.com conçoit et fabrique une vaste sélection de pièces d'ordinateur, de câbles, de commutateur KVM, de racks... | France](#)
- [!\[\]\(5b78a2fafd05db5e14d20573d68ef9b3\_img.jpg\) Pezzi per computer, cavi, switch KVM, server rack e soluzioni per reti | Italia](#)
- [!\[\]\(25fe2c0d7244c22c84de6bda963b471d\_img.jpg\) IT & A / V](#)
- [!\[\]\(d4bd0dc972749ad3ba477eac47688a0b\_img.jpg\) StarTech.com ontwerpt en produceert een enorme selectie computeronderdelen, kabels, KVM-switches, serverracks en... | Nederland](#)
- [!\[\]\(5eab3de5002abb449199a3fc43c9f414\_img.jpg\) StarTech.com Support](#)
- [!\[\]\(3f2384a64e2c0ffe3eae9a8107dd00c7\_img.jpg\) Video Switch - HDMI / DisplayPort - 4K60 - Video Switchers](#)
- [!\[\]\(0a4ab723df2c815236fb0c30cb14280f\_img.jpg\) StarTech.com Warranty Policy](#)

Manuals+.