

## 2X2 HDMI® Matrix Switch - 1080p

VS222HDQ



\*actual product may vary from photos

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## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

### **ISED Statement / Déclaration d'ISDE**

CAN ICES-003(A) / NMB-003(A)

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

This device complies with ISDE 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.

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

Le présent appareil est conforme aux CNR d'ISDE 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

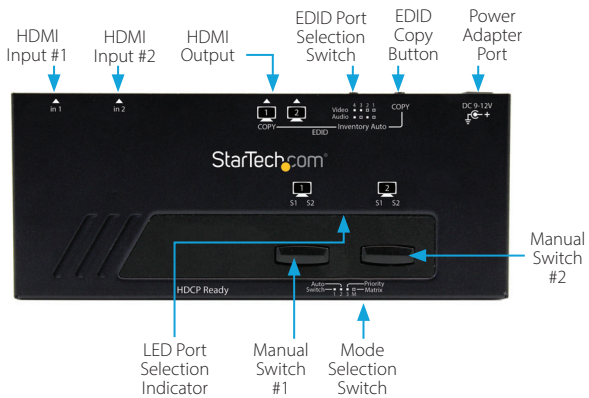
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# Product Diagram



# Introduction

## Packaging Contents

- 1x HDMI® Matrix Switch
- 1x Universal Power Adapter (NA, EU, UK, ANZ)
- 1x Remote control
- 1x Mounting kit
- 1x Foot pad set
- 1x Instruction Manual

## System Requirements

- 2x Video source devices (i.e. computer, Blu-ray Player)
- 2x HDMI® enabled display device (i.e. television, projector)
- 4x M/M HDMI® cables

# Hardware Installation

1. Connect two HDMI® cables (not included) from each of the HDMI® Output ports on the switch to each of the HDMI® enabled display devices (i.e. televisions, projectors).
2. Connect an HDMI® cable (not included) from each input device to the HDMI® Input Ports on each video source device (i.e. computers, Blu-ray Players).
3. Turn on each of the display devices, followed by each of the video source devices.

## Hardware Operation

### Mode Selection

Change the mode selection switch to select your desired operation mode. Instructions for operating each mode are listed below:

#### Manual Mode

Using Manual Mode both displays show whichever port is selected.

1. Press the Manual switch to switch between input devices from 1 to 2.
2. The LED Port selection Indicator will light as video sources are toggled indicating which port is selected.

#### Priority Mode

Using the Priority switch feature, you can automatically switch between which video source is displayed on both screens simply by turning off and on the devices connected to the prioritized ports.

For example: If you typically watch TV through your Cable or Satellite set top box, but sometimes watch movies on your Blu-ray player. You can connect your set top box to Port #1, and your Blu-ray player to Port#2. When the Blu-ray player is turned on to watch a movie the HDMI® switch will automatically switch to the Blu-ray player. When the movie is over, simply turn off your Blu-ray player and the HDMI® switch will automatically switch back to your set top box.

#### Automatic Mode

Using Automatic mode both displays will automatically switch to the most recently activated device. For example if you are watching TV and would like to watch your Blu-ray player, simply turn your Blu-ray player on. To switch back to the TV you can turn the Blu-ray player off, or switch the TV back on after being switched off when the Blu-ray player is active.

## Matrix Mode

Matrix mode allows you to output either video source to one of both of the displays. Each display is represented by each of the Manual Switches.

1. Press Manual Switch #1, one time to output Input 1, or two times to output signal 2.
2. Press Manual Switch #2, one time to output Input1, or two times to output signal 2.

## EDID Copy

EDID allows the video source to output the most ideal signal to the video display. The "EDID Copy" function on the HDMI® switch ensures that EDID is still active through the switch. This function allows the system to maintain the EDID settings from video output #1 while switching between sources.

## EDID Copy Positions

Position	Description
1	Off
2	EDID audio copy only
3	EDID video copy only
4	EDID video and audio copy

## EDID Copy Setup

1. Set the EDID Copy switch to your desired EDID copy position.
2. Press and hold the "EDID copy" button for 3 to 5 seconds until the LEDs flash.
3. EDID is now copied.

## Adjust Video Equalization

To optimize the sharpness of both video output ports, the switch features adjustable video Equalization. Follow the steps below to adjust the equalization for each individual output port.

1. Press and hold the EDID copy, and Manual switch #2 buttons for roughly 3 seconds.
2. Release the buttons when the LED Port selection Indicators flash red.

**Note:** These same buttons are also used to factory reset the unit when held for about 9 seconds. Be sure to release the button after 4 seconds when the LEDs flash red.

3. Press the Manual switch buttons #1 and #2 to adjust sharpness levels from left to right respectively, until your displays have achieved the ideal sharpness level.

**Note:** The LEDs will move forward from left to right and switch from red to green to indicate the Equalization level. (8 Levels; Green : level 1-4, Red: level 5-8).



4. Once your ideal level of sharpness is achieved press the EDID copy button, to save your settings and return to normal operation



## Factory Reset

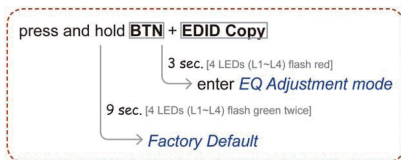
For the purpose of resetting or troubleshooting the unit, follow the below steps to restore the device to the original factory settings.

1. Press and Hold EDID copy button and the Manual Switch #2 button for roughly 9 seconds.



2. Release the buttons when the LED port selection indicators flash green twice.  
**Note:** These same buttons are also used to adjust video equalization, as a result the LEDs will flash red before they flash green. Be sure to continue to hold the buttons until the LEDs flash Green twice.
3. The unit has now been restored to factory settings.

**BTN + EDID Copy** (9 sec.)  $\xrightarrow{\text{4 LEDs (L1~L4) flash green twice}}$  release



## Remote Control

### Auto/Priority/Manual Mode

Press 1, or 2 to switch between Input source #1, or Input source #2 respectively.

### Matrix Mode

1. **Output #1:** To switch between video input sources #1 and #2 on video Output #1, press 1 or 2 respectively on the remote control.
2. **Output #2:** To switch between video input sources #1 and #2 on video Output #2, press S1 or S2 respectively on the remote control.



# Specifications

<b>Input Ports</b>	2
<b>Ouput Ports</b>	2
<b>AV Input</b>	HDMI®
<b>AV Output</b>	HDMI®
<b>Audio</b>	Yes
<b>Max Distance</b>	10m / 33ft
<b>Max Resolution</b>	1080p
<b>Wide Screen Supported</b>	Yes

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