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Multiple Video Input with Audio to HDMI® Switcher

VS721MULTI

*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 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.

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Introduction

The VS721MULTI Multiple Video Input to HDMI® Switcher enables users to switch between the video signal (with audio) outputs from up to 7 different audio-video sources to a single HDMI-equipped display. The switcher supports

This versatile scaler/switcher is the perfect solution for combining and scaling analog video sources (RGB/YPbPr/YCbCr) with your digital HDMI® display, eliminating the cost of upgrading individual components (i.e. DVD player, PC, VCR, etc.).

An all-in-one multimedia solution, the video converter/switcher includes support for full high definition 1080p video resolution as well as digital and analog audio. Plus, the switch features RS232 remote serial control, and includes a convenient IR remote control for switching between video sources .

Backed by a StarTech.com 2-year warranty and free lifetime technical support.
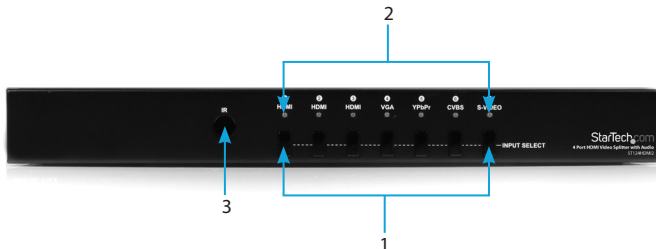
Packaging Contents

- 1x Multiple Format to HDMI® Audio Video Switch
- 1x IR Remote Control
- 1x Mounting Kit
- 1x RS232 Serial Cable - 6 ft
- 1x RS-232 Control Software CD
- 1x NA / UK / EU Power Adapter
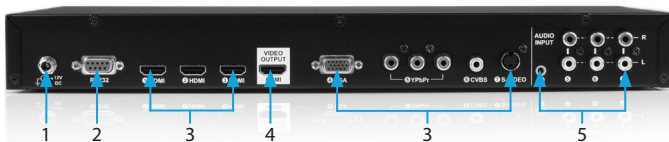- 1x User Manual

System Requirements

- Video source devices (i.e. computer, Blu-ray Player)
- HDMI® enabled display device (i.e. television, projector)
- Desired Audio Video Input Cables (3 x HDMI®, 1 x VGA, 1x Component YPbPr, 1 x Composite CVBS, 1 x S-Video, 1x 3.5MM audio VGA, 3x RCA audio)
- HDMI® Output Cable

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Front View

1. Input Selection Buttons
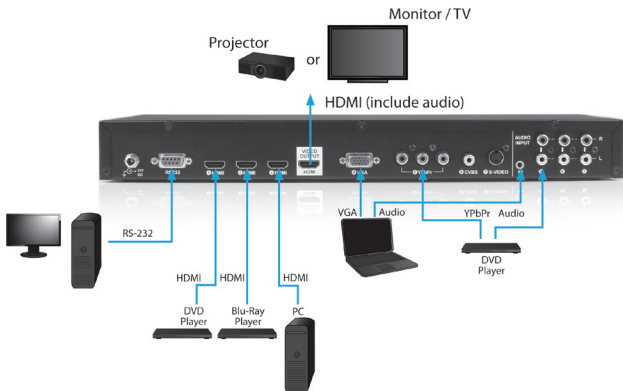2. Active Port LED Indicator
3. IR Receiver

Rear View

1. Power Supply
2. RS232 Serial Port
3. Video Input Ports (3 x HDMI®, 1 x VGA, 1x Component YPbPr, 1 x Composite CVBS, 1 x S-Video)
4. HDMI® Output Port
5. Analog Audio input ports

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Hardware Installation

1. Connect the Desired Audio Video Input Cables (not included) from each video source device (i.e. computer, Blu-ray Player) to the Video Input Ports (3 x HDMI®, 1 x VGA, 1x Component YPbPr, 1 x Composite CVBS, 1 x S-Video) on the rear of the VS721MULTI.

2. Connect an HDMI® cable (not included) from the HDMI® enabled display device (i.e. television, projector) to the HDMI® Output Port on the VS721MULTI.

3. Turn on the display device, followed by the video source devices.

4. (Optional) For RS232 Remote Serial control, connect the included RS232 Serial Cable from a computer to the RS232 Serial port on the rear of the VS721MULTI.

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Hardware Operation

1. Manual Port Selection

   a. Press the Input Selection Button that corresponds with the video source device you would like displayed.

   b. The selected Active Port LED Indicator will light, and the desired video source device will be displayed on the HDMI® enabled display device.

2. Remote Control Port Selection

   a. Press the desired 1 - 7 key on the remote control that corresponds with the number above the Active Port LED Indicator.

   b. The selected Active Port LED Indicator will light, and the desired video source device will be displayed on the HDMI® enabled display device.

   c. Use the ⏻ button to power on/off the VS721MULTI.

Note: The "◄", "►" arrow buttons on the remote can also be used to switch the Active Port LED Indicator to the adjacent left or right video source device.

3. Remote Serial Control Using The Matrix Application Software

Note: Ensure Step 4. of Hardware Installation has been completed.

   a. Download the latest software from the StarTech.com website (recommended), or insert the included Software CD into your CD-ROM drive.

   b. Launch AV Matrix(.msi). This file will be located in the root directory on the downloaded folder, or the Software CD.

   c. The Matrix Application software will quickly install. Upon completion Click   to open the software.

   d. Click the "options" button and configure the communication protocol to the following specifications: Baud rate 9600bps, no odd or even calibration bit address, 8bit transmission address, 1bit stop address, PC Port 001.

Note: The COM port on your computer will require the same configuration. Consult your computer user documentation for further details.

   e. Click the "Scan" button. The numbers near the bottom of the table will now represent and correspond with the numbers above each Active Port LED Indicator, and the number 001 on the left side of the table will represent the HDMI® display Device.

   f. Click the icon that corresponds with the desired video source device, and that device will now be displayed on the HDMI® equipped display.

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Specifications

Ports	7
AV Input	HDMI S-Video Composite VGA Component YCbCr
Output Signal	HDMI
Industry Standards	High Speed HDMI®, HDCP
LED Indicators	1x HDMI - 1 1x HDMI - 2 1x HDMI - 3 1x VGA - 4 1x YPbPr - 5 1x CVSB - 6 1x S-VIDEO - 7
Max Resolution	1920 x 1200
Maximum Analog Resolutions	VGA: 1920x1200 YPbPr: 1920x1080
Maximum Digital Resolutions	1600x1200
Supported Resolutions	Support VGA mode 640x480, 720x400, 800x600, 848x480, 1024x768, 1152x864, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024, 1360x768, 1400x1050, 1440x900, 1440x1050, 1600x1200, 1680x1050, 1920x1080, 1920x1200 Support YPbPR mode 720x480, 720x576, 720x480, 720x576, 1280x720, 1920x1080, 1920x1080

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