

Specifications

Environment	HDMI 1.4 (3D)
Devices	DVD/Blu-Ray, plasma, projectors, monitors, TV, PC, laptops
Transmission	Transparent to the user
Frequency	25 to 340 MHz
Signals	HDMI 1.4 protocol
Connectors	HDMI Type A 19-pin female
LEDs	One (1) Power: Green Four (4) Output Link: Blue
Manual Control	Push button at the front of the unit
Remote Control	Included
Resolution	480i to 1080p @ 50/60 fps 1080p @ 24/50/60 fps 3840 X 2160 @ 24/25/30 fps VGA to UXGA
Color	8, 10 & 12 bit
Audio	Uncompressed (LPCM) or compressed (Dolby, DTS)
HDCP	Revision 1.3
Cable	HDMI Cable
Temperature	Operating: 0° to 40°C Storage: -20° to 60°C Humidity: up to 90% non-condensing
Enclosure	Metal enclosure
Dimensions	10.63" x 4.33" x 1.18" (270 mm x 110 mm x 30 mm)
Weight	3.2 lbs (1.45 Kg)
Power Supply	5VDC, 2A with interchangeable blade for US, UK and Euro
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	500430 HDMI 4X1 Switcher with Audio Extraction, UHD-4K



HDMI 4X1 Switcher with Audio Extraction, UHD-4K (500430) Quick Installation Guide

Overview

The HDMI 4x1 Switcher with Audio Extraction (500430) allows Four (4) HDMI sources to be distributed to one (1) HDMI display. The switcher supports up to 4K (3840 x 2160), 8-bit color and HD audio. The extracted audio is available on an S/PDIF Toslink, Coaxial and 3.5mm Stereo Jack. The splitter is HDCP 1.3 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling. Applications include; commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Pre-Installation Check

Identify the connectors as indicated on the product



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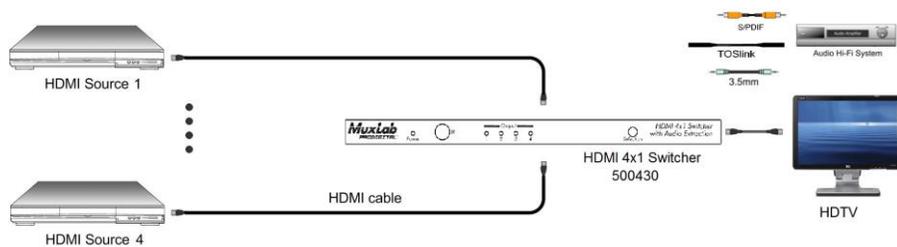
Installation

1. Identify the connectors on the HDMI 4X1 Switcher with Audio Extraction as indicated on the product panels.



In order to install the HDMI 4X1 Switcher with Audio Extraction, please follow the steps below:

2. Connect the HDMI video source(s) to the input connector(s) of the switcher.
3. Connect the HDMI display equipment to output connector of the switcher.
4. Connect the audio receiver to the appropriate output connector of the switcher.
5. Connect the 5 VDC power supply to the switcher first, and then plug the power supply into an AC power outlet.
6. Power on the HDMI equipment and verify the image quality.
7. The following diagram shows the final configuration.



Troubleshooting

The following tables describe some of the symptoms, probable causes and possible solutions in respect to the installation of the HDMI 4X1 Switcher with Audio Extraction. If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).

Picture/ Sound	Probable Cause	Possible Solution
No Image	Wiring	Check continuity Check correct wiring
No Image	Synchronization	Power off the source and the display. Power on the devices.
Flickering Image	Synchronization	Check HDMI cable length
Choppy Sound	Synchronization	Check HDMI cable length
Noise in image	Weak signal	Check HDMI cable length
Green or pink hue	Cable	Check HDMI cables and replace.
Noisy Sound	Compressed bitstream	When compressed bitstream is selected the analog output (3.5 mm Jack) cannot be used. Set the source to send a LPCM signal.
Multi-Channel not working	Sink equipment not supporting Multi-Channel configuration	Verify that the sink device connected to the HDMI output is supporting Multi-Channel sound configuration.