

Specifications

Environment	HDMI 2.0a
Devices	Ultra HD Blu-Ray, projectors, monitors, TV, PC, laptops.
Transmission	Transparent to the user.
Video Bandwidth	18 Gbps
Frequency Range	25 to 600 MHz
Signals	HDMI 2.0a protocol.
HDCP	Revision 1.4 & 2.2 compliant.
Connectors	HDMI receptacle.
LEDs	Power: Blue Input & Output Link: Green
Resolution	480i to 1080p @ 50/60 FPS 1080p @ 24/50/60 FPS 3840 X 2160 @ 24/25/30/60 FPS
Color	8, 10 & 12 bit
Audio	LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
Cable	HDMI cable of appropriate length for video resolution selected.
Power Supply	One (1) 110-240V/5VDC , 4A power supply
Temperature	Operating: 0° to 40°C Storage: -20° to 60°C Humidity: up to 90% non-condensing
Enclosure	Metal enclosure
Bracket	Included
Dimensions	9.53" x 3.82" x 1.00" (242 mm x 97 mm x 25 mm)
Weight	3.2 lbs (1.45 Kg)
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	500427 HDMI 1X8 Splitter, 4K/60 (UPC: 627699004272)



HDMI 1X8 Splitter, 4K/60 (500427)

Quick Installation Guide

Overview

The HDMI 1x8 Splitter (500427) allows one (1) HDMI source to be distributed to up to eight (8) HDMI displays. The splitter supports up to 4K (3840 X 2160) video and HD audio. The splitter is HDCP 1.4 & 2.2 compliant and features LED diagnostics. Additionally, all 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 diagram above. LEDs are located on the front and the connectors and mode switch on the rear.

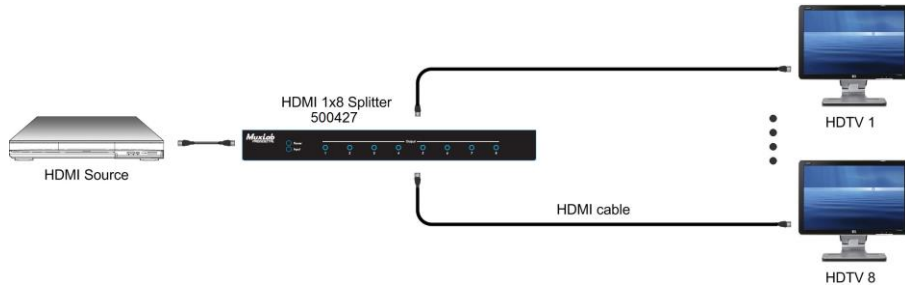


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Installation

In order to install the HDMI 1X8 Splitter, please follow the steps below:

1. Connect the HDMI video source to the input HDMI connector of the splitter with an appropriate HDMI cable.
2. Connect the HDMI display equipment to the output connectors of the splitter with appropriate HDMI cables.
3. Connect the 5 VDC power supply to the splitter first, and then plug the power supply into an AC power outlet.
4. Power on the HDMI equipment and verify the image quality.
5. The following diagram shows the final configuration.



Mode Switch Selection

Use the Mode rotary switch to select the EDID that will be sent to the HDMI source device.

Mode	Function
0	Firmware Update Mode
1	EDID Ultra-HD (3840X2160@60Hz) – 7.1 Audio
2	EDID Ultra-HD (3840X2160@60Hz) – 2.0 Audio
3	EDID Ultra-HD (3840X2160@30Hz) – 7.1 Audio
4	EDID Ultra-HD (3840X2160@30Hz) – 2.0 Audio
5	EDID Full-HD (1080p) – 7.1 Audio
6	EDID Full-HD (1080p) – 2.0 Audio
7	EDID Full-HD (1080p, 3D) – 7.1 Audio
8	EDID Full-HD (1080p, 3D) – 2.0 Audio
9	EDID Full-HD (1080p, Deep Color) – 7.1 Audio
A	EDID Full-HD (1080p, Deep Color) – 2.0 Audio
B	EDID HD (1080i, 720p) – 7.1 Audio
C	EDID HD (1080i, 720p) – 2.0 Audio
D	Auto EDID (Analysis learning mode)
E	Learn EDID from Output 1
F	Learn EDID from Output 2

Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the HDMI 1X8 Splitter. 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 displays, then power them back on.
Flickering Image	Synchronization	Check HDMI cable length against industry standards.
Choppy Sound	Synchronization	Check HDMI cable length against industry standards.
Noise in image	Weak signal	Check HDMI cable length against industry standards.
Green or pink hue	HDMI cable	Check HDMI cables and replace as needed.