

Specifications

Environment	DisplayPort 1.2a
Devices	Installation of DisplayPort or Mini DisplayPort output source equipment with DisplayPort input monitors
Transmission	Transparent to the user.
Video Bandwidth	21.6 Gbps (5.4Gbps per lane)
Signals	DisplayPort 1.2a & Dual mode DisplayPort protocol
Transport	Supports Multi-Stream Transport (MST) of up to eight streams
Resolution	Up to 3840 X 2160 @ 60 FPS
HDCP	Revision 1.4 compliant.
Audio	LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
Connectors	DisplayPort receptacle.
Cabling Requirement	Input port : 1x Standard DisplayPort Cable Output port : 2x Standard DisplayPort Cables (Select appropriate cable length for video resolution selected)
LEDs	Input & Output Link: Blue
Power Supply	One (1) 110-240V/5VDC , 2A power supply
Temperature	Operating: 0° to 40°C (32° to 104°F) Storage: -20° to 60°C (-4° to 185°F)
Humidity	Maximum 90% (non-condensing)
Enclosure	Black metal enclosure
Dimensions	4.33" x 2.95" x 1.00" (110 mm x 75 mm x 25 mm)
Weight	0.55lbs (250g)
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	500506 DisplayPort 1.2a 1x2 Hub, MST



DisplayPort 1.2a 1x2 Hub, MST (500506) Quick Installation Guide

Overview

The DisplayPort 1.2a 1x2 Hub, MST (500506) is a device that allows you to extend different DisplayPort 1.2a content from one DisplayPort connector to two monitors. The hub supports up to 4K (3840 X 2160) video and HD audio, and supports Multi-Stream Transport (MST) of up to eight streams. The hub is HDCP 1.4 compliant and features LED diagnostics. 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 rear of the unit, next to each connector to indicate traffic.

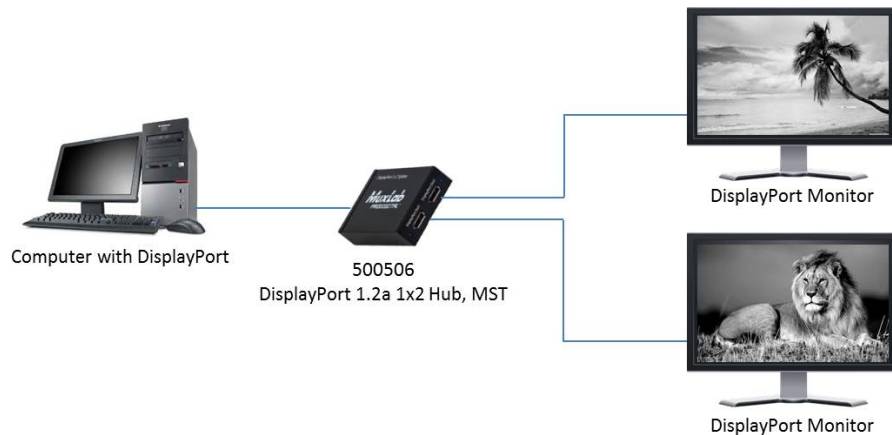


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Installation

In order to install the DisplayPort 1.2a 1x2 Hub, MST, please follow the steps below:

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



Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the DisplayPort 1.2a 1x2 Hub, MST. 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	Power	Check Power Supply connection
No Image	DisplayPort Cable Wiring	Check cable continuity Check for correct wiring Check for damaged cable
No Image	Synchronization	Power off the source and displays, then power them back on.
Flickering Image	Synchronization	Check DisplayPort cable length against industry standards.
Choppy Sound	Synchronization	Check DisplayPort cable length against industry standards.
Noise in image	Weak signal	Check DisplayPort cable length against industry standards.