

Specifications

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|----------------------------|---|
| 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 Single Stream Transport (SST) |
| 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 | 500505 DisplayPort 1.2a 1x2 Splitter, SST |



DisplayPort 1.2a 1x2 Splitter, SST (500505)

Quick Installation Guide

Overview

The DisplayPort 1.2a 1x2 Splitter, SST (500505) allows you to duplicate identical DisplayPort 1.2a content from one DisplayPort connector to two monitors. The splitter supports up to 4K (3840 X 2160) video and HD audio. The splitter 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.

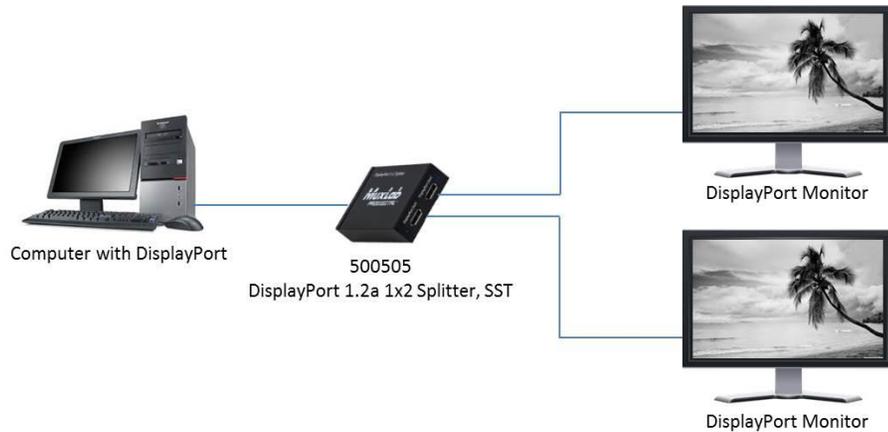


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Installation

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

1. Connect the DisplayPort video source to the input DisplayPort connector of the splitter with an appropriate DisplayPort cable, while respecting DisplayPort cable length standards.
2. Connect the DisplayPort display equipment to the output DisplayPort connectors of the splitter with appropriate DisplayPort cables, while respecting DisplayPort cable length standards.
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 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 Splitter, SST. 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. |