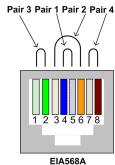
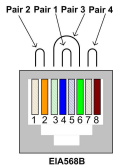


Specifications

| | | | |
|--|---|--|---|
| Environment | HDMI 1.4 | | |
| Devices | DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. | | |
| Transmission | Transparent to the user | | |
| Bandwidth | 225 MHz | | |
| Signals | HDMI 1.4 protocol | | |
| Connectors | HDMI receptacle. Two (2) RJ45S for Cat 5e unshielded or shielded twisted pair. | | |
| Maximum Distance | 480i/p: 720p, 1080i: 1080p: | Cat5e: 150 ft (45 m) Cat5e: 150 ft (45 m) Cat5e: 100 ft (30 m) | Cat6: 200 ft (60 m) Cat6: 200 ft (60 m) Cat6: 150 ft (45 m) |
| | STP is recommended where EMI/RFI may be an issue. Usage of patch panels is not recommended. When connected to Deep Color equipment, the 500402 removes the Deep Color content to support greater cable length than would normally be achieved. | | |
| RJ45 Pin Configuration <i>Reverse Polarity Sensitive Use EIA/TIA 568 A or B straight-through wiring.</i> | <p>RJ45 A (Video) Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)</p>  <p>RJ45 B (DDC) Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)</p>  | | |
| Cable | Two (2) Cat5e/6 or better solid core twisted pair cables required | | |
| Temperature | Operating: 0° to 55°C Storage: -20° to 85°C Humidity: up to 95% non-condensing | | |
| Enclosure | Metal enclosure, PVC sleeve | | |
| Dimensions | 10.6" x 1.9" x 0.8" (27.0 cm x 4.8 cm x 2.0 cm) | | |
| Weight | 10.8 oz. (307 g) | | |
| Compliance | Regulatory: FCC, CE, RoHS Flammability: 94V1 | | |
| Warranty | 2 years | | |
| Order Information | 500402 HDMI Passive Extender Kit | | |



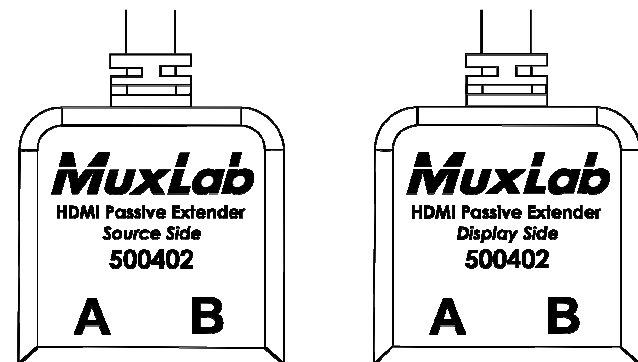
HDMI Passive Extender Kit (500402) Quick Installation Guide

Overview

The HDMI Passive Extender Kit (500402) allows HDMI equipment to be connected up to 150 ft (45m) @ 1080i via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration. The product also works with 1080p up to 150 ft (45m) via Cat6 cable. The kit comes with one (1) Transmitter and one (1) Receiver. 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 on the Source Side and Display Side as indicated on the product.



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Installation

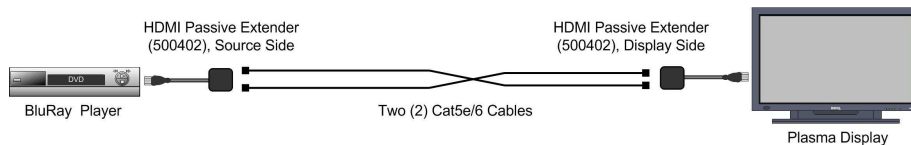
Verify that the distance between the HDMI Transmitter and Receiver are within MuxLab specifications (see Specifications table).

In order to install the HDMI Passive Extender Kit, please follow the steps below:

1. Connect two (2) lengths of Cat5e (or higher) grade UTP cables to the A and B connectors on Transmitter (identified as HDMI Passive Extender Source Side).
2. Connect the two (2) Cat5e (or higher) grade UTP cables to the A and B connectors of the Receiver (identified as HDMI Passive Extender Display Side).

Note: Verify that the cables are connected straight-through (i.e. A to A, B to B) and not inverted.

3. Connect the Transmitter directly to the HDMI video source.
4. Connect the Receiver directly to the HDMI display equipment.
5. Power on the HDMI equipment and verify the image quality.
6. 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 Passive Extender Kit. 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 Verify that A and B Cat5e cables are not inverted. |
| No Image | Synchronization | Power off the source and the display. Power on the devices. |
| Flickering Image | Synchronization | Check cable length |
| Choppy Sound | Synchronization | Check cable length |
| Noise in image | Weak signal | Check cable length |
| Green or pink hue | Cable | Check cables and replace. |
| Image Flicker when powering up equipment nearby | Interference | Use STP cables. |