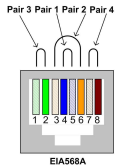
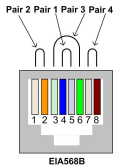


Specifications

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		



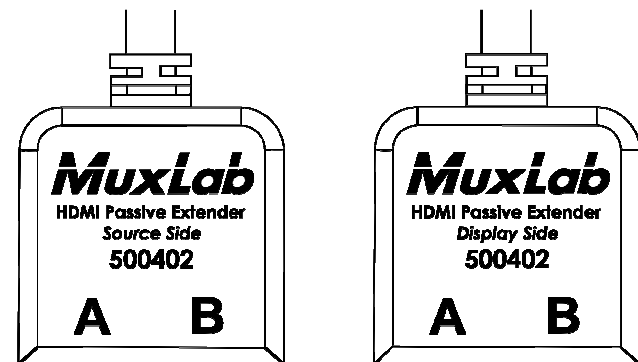
HDMI Passive Extender Kit (500402) Quick Installation Guide

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

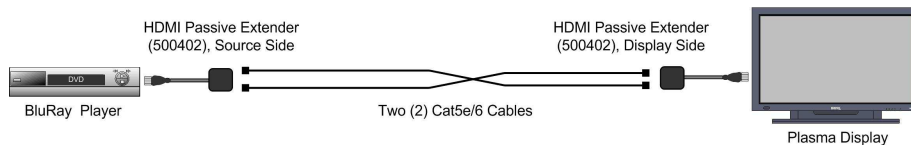
Verify that the distance between the HDMI Transmitter and Receiver are within MuxLab specifications (see Specifications table).

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.

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