Overview

The HDMI Mono Extender Kit (500450) allows HDMI equipment to be connected up to 330 ft (100 m) @ 4K resolution via one (1) Cat 5e/6 unshielded twisted pair cable in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.
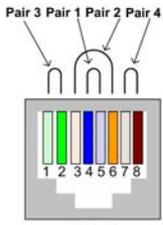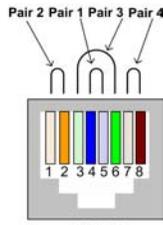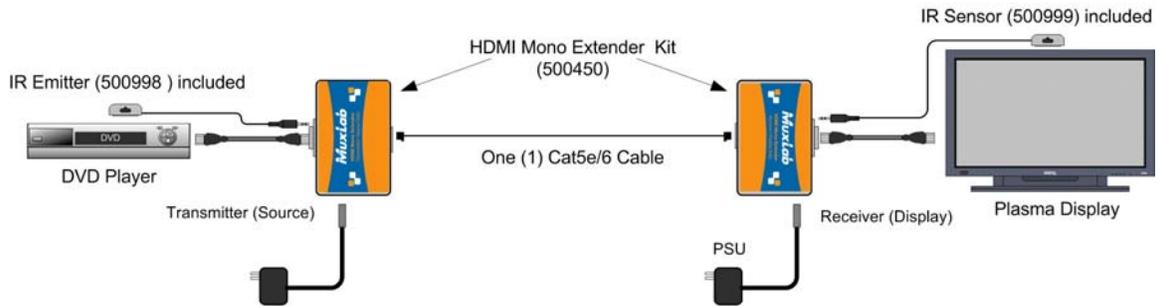
Applications

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Key Features

HDMI 1.3a
Supports 3D
Up to 330 ft (100m) at all resolutions up to 4K via single Cat5e/6
Supports IR remote source control
Includes IR Emitter (500998) and IR Sensor (500999)

Specifications	
Environment	HDMI 1.3a, HDBaseT. (Supports the 3D feature of HDMI 1.4)
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI
Transmission	Transparent to the user
Bandwidth	340 MHz
Signals	HDMI 1.3a, HDBaseT
Connectors	One (1) HDMI receptacle. One (1) RJ45S for Cat5e/6 unshielded or shielded twisted pair. 3.5mm jacks for IR emitter and IR Sensor *HDMI cables not included.*
Max. Distance* *Based on a maximum length of 6.6 ft (2m) of HDMI cable per end*	480i/p: Cat 5e/6: 330 ft (100 m) 720p, 1080i: Cat 5e/6: 330 ft (100 m) 1080p: Cat 5e/6: 330 ft (100 m) 1080p Deep Color: Cat 5e/6: 330 ft (100 m) 4K (3840x 2160): Cat 5e/6: 330 ft (100 m) When installed in an electrically noisy environment, STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.
RJ45 Pin Configuration *Reverse Polarity Sensitive* *Use EIA/TIA 568 A or B, straight-through wiring.*	RJ45 Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) Pair 3 Pair 1 Pair 2 Pair 4 Pair 2 Pair 1 Pair 3 Pair 4 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 EIA568A EIA568B
Cable	One (1) Cat5e/6 or better twisted pair cable required.
Power Supply	Two (2) 110-240V/12VDC power supply with interchangeable blades included
Power Consumption	Transmitter: 1.8W Receiver: 3.6W
Temperature	Operating: 0º to 55º C. Storage:-20º to 85º C. Humidity: up to 95% non-condensing.
Enclosure	Cast aluminum
Dimensions	4.50" x 3.00" x 1.25" (11.4 x 7.6 x 3.2 cm)
Weight	2.0 lb (0.9 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500450 HDMI Mono Extender Kit (includes, Tx, Rx, IR-Emitter, IR Sensor, 2x PSU)

Typical Application

Rear panels

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