

# HDMI Extender Kit Long Reach, HDBT, UHD-4K 500450-LR

#### Overview

The HDMI Extender Kit Long-Reach (500450-LR) allows HDMI equipment to be connected up to 500ft (150m) @ 1080p 8-Bit via one (1) Cat 5e/6 unshielded twisted pair cables 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**

Applications include commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, and medical information systems.





### **Key Features**

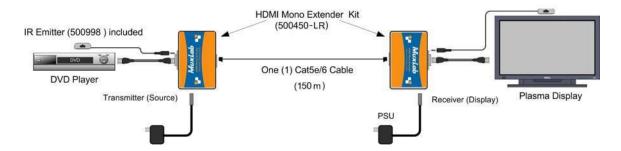
- Supports HDMI 1.3a 1080p 8-bit
- Supports Long Reach extended distances up to 500ft (150m) over Cat5e/6 UTP or STP cable
- Supports IR remote control of end-devices
- Includes IR Emitter (500998) and IR Sensor (500999)

Specification Chart	
Environment	HDMI 1.3a
Devices	DVDs, Blu-ray players, projectors, monitors, TVs, PCs, laptops, servers supporting HDMI.
Transmission	Transparent to the user.
Bandwidth	148.5MHz
Signals	HDMI 1.3a protocol.
Connectors	One (1) HDMI receptacle.
	One (1) RJ45S for Cat5e/6 unshielded or shielded twisted pair.
Cables not included.	One (1) 3.5mm jack for IR Sensor & Emitter (carrier-wave).
Max. Distance*	480i/p: Cat 5e/6: 500 ft (150 m)
	720p, 1080i: Cat 5e/6: 500 ft (150 m)
	1080p 8-Bit: Cat 5e/6: 500 ft (150 m)
*Based on a maximum length of 6.6	Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-
ft (2m) of HDMI cable per end.	connection reduces the effective distance depending on the grade of twisted cable used.
RJ45 Pin Configuration	RJ45  Pair 3 Pair 1 Pair 2 Pair 4  Pair 2 Pair 1 Pair 3 Pair 4
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	Pin 1 (R) Pin 2 (T)
Reverse Polarity Sensitive	Pin 3 (R) Pin 6 (T)
Use EIA/TIA 568 A or B, straight-	Pin 4 (R) Pin 5 (T)
through wiring.	Pin 7 (R) Pin 8 (T)
	EIA568A EIA568B
Cable	One (1) Category 5e or better twisted pair cables required.
Power Supply	Two (2) 110-240V/5VDC power supplies with interchangeable blades.
Power Consumption	Transmitter: 4 Watt Receiver: 6 Watt
Temperature	Operating: 0° to 40° C. Storage:-20° to 85° C. Humidity: up to 95% non-condensing.
Enclosure	Aluminum
Dimensions	4.50" x 3.00" x 1.25" (11.4 x 7.6 x 3.2 cm)
Weight	2.6 lb (1.2 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500450-LR HDMI Extender Kit Long-Reach, HDBT, UHD-4K (UPC: 627699014509)

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# **Typical Application Schematic**





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