

Specifications

Environment	HDMI 1.3a	
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.	
Transmission	Transparent to the user	
Bandwidth	225 MHz	
Signals	HDMI 1.3a	
Supported Resolution	480i, 576i, 720p, 1080i, 1080p/23.98/24/25/29.9/30/50/59.94/60	
Connectors	One (1) HDMI receptacle. Two (2) BNC Female 75 Ohms. <i>Note: HDMI cables not included.</i>	
Maximum Distance	480i: RG-59: 650 ft (198 m) RG-6: 800 ft (244 m) 720p, 1080i: RG-59: 500 ft (152 m) RG-6: 650 ft (198m) 1080p: RG-59: 250 ft (76 m) RG-6: 300 ft (91 m)	
<i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i>		
Cable	One (1) RG-59 or better cable required	
Power Supply	Two (2) 110-240V/5VDC power supplies with interchangeable blades	
Power Consumption	Transmitter: 3.30 Watt	Receiver: 3.55 Watt
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing	
Enclosure	Metal	
Dimensions	4.72" x 3.54" x 1.18" (12.0 x 9.0 x 3.0 cm)	
Weight	1.3 lb (0.59 kg)	
Compliance	Regulatory: FCC, CE, RoHS	Flammability: 94V0
Warranty	2 years	
Order Information	500465 HDMI Over Coax Extender Kit	



8495 Dalton Road, Mount Royal, Quebec, Canada. H4T 1V5
 Tel: (514) 905-0588 Fax: (514) 905-0589
 Toll Free (North America): (877) 689-5228
 E-mail: videoease@muxlab.com URL: www.muxlab.com



HDMI Over Coax Extender Kit 500465 Quick Installation Guide

Overview

The HDMI Over Coax Extender Kit (500465) allows HDMI equipment to be connected up to 250 ft (76 m) @ 1080p via one (1) RG-59 coaxial cable in a point-to-point configuration. The Transmitter converts the HDMI signal to coax and the Receiver converts the coax signal back to HDMI, supporting resolutions of 480i, 720p/1080i and 1080p. The kit comes with one (1) Transmitter and one (1) Receiver.

Applications

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

Installation

1. Identify the connectors on the Transmitter and Receiver as indicated on the product labels.

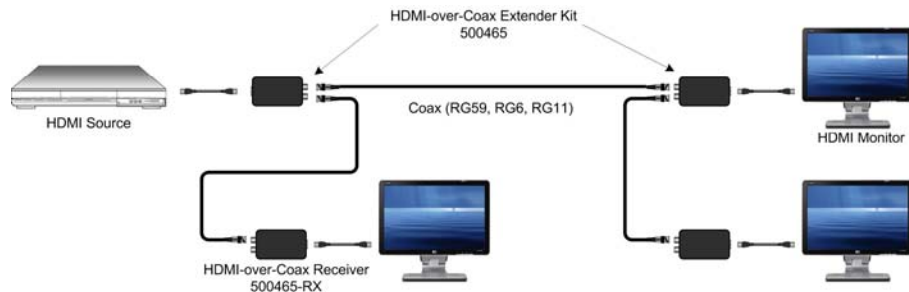


2. Verify that the distance between the Transmitter and Receiver is within MuxLab specifications (see Specifications table).
3. To install the Transmitter:
 - 3a. Connect the Transmitter to the HDMI video source with an HDMI compliant

cable.

- 3b. Connect one (1) lengths of RG-59 (or higher) grade coaxial cables to RJ45 LINK connectors on the Transmitter.
4. To install the Receiver:
 - 4a. Connect the Receiver to the HDMI display equipment with an HDMI compliant cable.
 - 4b. Connect the one (1) RG-59 coaxial cables to RJ45 LINK connectors on the Receiver.
5. Connect the 5 VDC power supply to the Receiver first, and then plug the power supply into an AC power outlet. Connect the 5 VDC power supply to the Transmitter first, and then plug the power supply into an AC power outlet. If power is present, the green power LED of the Transmitter and the Receiver will be ON.

Note: Power the HDMI Over Coax Extender only after all connections are made.
6. Power the HDMI equipment and verify the image quality.
7. This product can be daisy chained by connecting additional Receivers to the second port. This is achieved by connecting the BNC output of the first HDMI Receiver to the BNC input of the cascade receiver.
8. The following diagram shows the final configuration.



Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in respect to the installation of the HDMI Over Coax Extender Kit:

Symptom	Tx LEDs			Rx LEDs			Probable Cause	Possible Solutions
	Power	HDMI	Coax	Power	HDMI	Coax		
No Image	OFF	OFF	OFF	OFF	OFF	OFF	No power	• Check power connections
No Image	ON	OFF	OFF	ON	OFF	OFF	Source	• Check the HDMI cable at the source.
No Image	ON	ON	OFF	ON	OFF	OFF	Resolution	• Check if the source resolution is valid.
No Image	ON	ON	ON	ON	OFF	OFF	Coaxial Cable	• Check the coaxial cable.
No Image	ON	ON	ON	ON	OFF	ON	Display	• Check the HDMI cable at the display.
Flickering Image	ON	ON	ON	ON	ON	ON	Synchronization	• Check cable length • Check the HDMI Cable Quality.
Choppy sound	ON	ON	ON	ON	ON	ON	Synchronization	• Check cable length • Check the HDMI Cable Quality.

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).