

### Overview

The HDMI Wall Plate Extender Kit (500401-WP-UK) allows HDMI equipment to be connected up to 150 ft (45m) via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution. The product also supports 1080p Deep Color up to 90 ft (27m) via Cat6 cables. The kit comes with one (1) transmitter, one (1) receiver and one (1) power supply. The 500401-WP may also be used without external power.

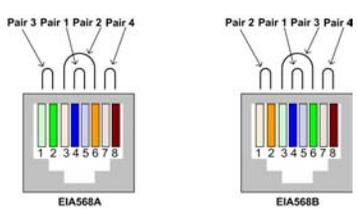


### Applications

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

### Key Features

- Up to 150 ft (45m) @ 1080p via Cat5e
- Up to 90 ft (27m) @ 1080p Deep Color via Cat6
- Connect via two (2) Cat5e/6 cables
- May be used without external power
- May be used with MuxLab mounting accessories
- Compatible with 86x86mm back boxes
- Compatible with 50x50mm faceplate opening

Specifications																	
<b>Environment</b>	HDMI 1.3a. (Supports the 3D feature of HDMI 1.4)																
<b>Devices</b>	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI. <i>Compatible with MuxLab p/n 500401.</i>																
<b>Transmission</b>	Transparent to the user																
<b>Bandwidth</b>	225MHz																
<b>Signals</b>	HDMI 1.3a protocol																
<b>Connectors</b>	HDMI receptacle. Two (2) RJ45S for Cat5 unshielded or shielded twisted pair. <i>HDMI cables not included.</i>																
<b>Power Switch</b>	Switch on rear panel to select between Power or No-Power. Factory setting: Power																
<b>Max. Distance*</b>	<table border="0"> <tr> <td>480i/p:</td> <td>Cat5e: 300 ft (90 m)</td> <td>Cat6: 300 ft (90 m)</td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat5e: 200 ft (60 m)</td> <td>Cat6: 250 ft (76 m)</td> </tr> <tr> <td>1080p 8-bit:</td> <td>Cat5e: 150 ft (45 m)</td> <td>Cat6: 200 ft (60 m)</td> </tr> <tr> <td>1080p 12-bit Deep Color:</td> <td>not specified</td> <td>Cat6: 90 ft (27 m)</td> </tr> <tr> <td>"No Power" Mode:</td> <td>Cat5e: 100 ft (30m)</td> <td>Cat6: 100 ft (30m)</td> </tr> </table> <p>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. Patch panels are not recommended with 1080p Deep Color.</p>	480i/p:	Cat5e: 300 ft (90 m)	Cat6: 300 ft (90 m)	720p, 1080i:	Cat5e: 200 ft (60 m)	Cat6: 250 ft (76 m)	1080p 8-bit:	Cat5e: 150 ft (45 m)	Cat6: 200 ft (60 m)	1080p 12-bit Deep Color:	not specified	Cat6: 90 ft (27 m)	"No Power" Mode:	Cat5e: 100 ft (30m)	Cat6: 100 ft (30m)	
480i/p:	Cat5e: 300 ft (90 m)	Cat6: 300 ft (90 m)															
720p, 1080i:	Cat5e: 200 ft (60 m)	Cat6: 250 ft (76 m)															
1080p 8-bit:	Cat5e: 150 ft (45 m)	Cat6: 200 ft (60 m)															
1080p 12-bit Deep Color:	not specified	Cat6: 90 ft (27 m)															
"No Power" Mode:	Cat5e: 100 ft (30m)	Cat6: 100 ft (30m)															
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive</i> <i>Use EIA/TIA 568 A or B, straight-through wiring.</i>	<p>RJ45 A (Video)</p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table>  <p>RJ45 B (DDC)</p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table>	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)
Pin 1 (R)	Pin 2 (T)																
Pin 3 (R)	Pin 6 (T)																
Pin 4 (R)	Pin 5 (T)																
Pin 7 (R)	Pin 8 (T)																
Pin 1 (R)	Pin 2 (T)																
Pin 3 (R)	Pin 6 (T)																
Pin 4 (R)	Pin 5 (T)																
Pin 7 (R)	Pin 8 (T)																
<b>Cable</b>	Two (2) Category 5e or better twisted pair cables required.																
<b>Power Supply</b>	One (1) 110-240V/12VDC power supply with interchangeable blades																
<b>Power Consumption</b>	3W																
<b>Temperature</b>	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95% non-condensing.																
<b>Enclosure</b>	ABS fire retardant plastic																
<b>Dimensions</b>	86 mm x 86 mm x 36 mm. Choose 40 mm deep back box to allow for Cat 5E/6 wiring connection.																
<b>Weight</b>	1.6 LB/0.7 Kg																
<b>Mounting</b>	Velcro pads included.																
<b>Compliance</b>	Regulatory: FCC, CE, RoHS, Decora® faceplate. Flammability: 94V0																
<b>Warranty</b>	2 years																
<b>Order Information</b>	500401-WP-UK HDMI Wall Plate Extender Kit, UK      UPC: 6-27699-91401-4																

## Typical Application

