

# CPLUS-44PLV

## UHD+ 4X4 HDMI over HDBaseT Matrix with AVLC



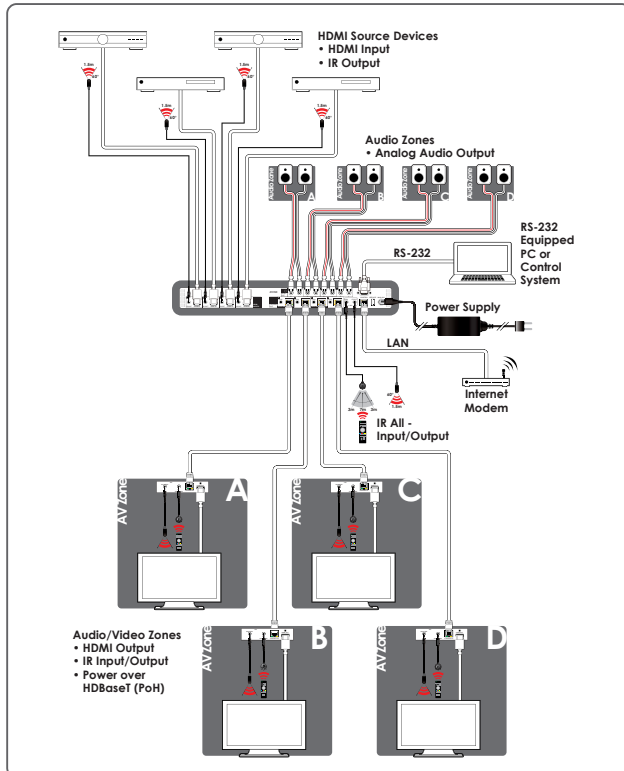
This 4x4 HDMI over HDBaseT Matrix with AVLC supports routing and transmission of video (resolutions up to 4K@60Hz w/ HDMI 2.0 & HDCP 2.2) and audio while providing flexible control via IR, RS-232, Telnet or WebGUI. As many as four HD sources may be routed to any of four destinations via single runs of cable up to a distance of 70m. Despite HDBaseT's 10.2Gbps bandwidth limitation, 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12 bit sources with HDR, are able to be processed and extended by the use of AVLC (Adaptive Visually Lossless Compression) when needed. 3D video is also supported when compatible sources and displays are connected.

The included PoH (Power over HDBaseT) functionality can supply remote power to compatible HDBaseT Receivers, providing greater flexibility in your installations. Control is via front panel buttons with an OLED menu, WebGUI, Telnet, RS-232 or IR remote.

### PANELS



### DIAGRAM



### ORDERING INFORMATION

Model No.	Product Description
CPLUS-44PLV	UHD+ 4X4 HDMI over HDBaseT Matrix with AVLC
CH-1527RXPLV	4K HDR HDMI HDBaseT Receiver with IR, RS-232 & PoH (PD)

### FEATURES

- HDMI with HDR & 4K@60Hz support, DVI 1.0 compatible
- Routes four HDMI sources to four displays using four HDBaseT outputs
- Supports deep color input and output up to 12-bit
- Supports 10-bit and 12-bit HDR (High Dynamic Range) bypass (Output requires AVLC receiver)
- Supports automatic conversion of 4K@50/60Hz (4:4:4) sources to 4K@50/60Hz (4:2:0) or 1080p50/60 for non-AVLC HDBaseT receivers or if a connected display can't support the original resolution.  
*Note:* 1080p conversion is only available on outputs A & C.
- Supported HDBaseT feature set: HD Video & Audio, PoH (PSE), and Control (Bidirectional IR pass through)
- 4K signals can be transmitted up to 35m via Cat.5e/6 and up to 40m via Cat.6a/7
- Supports pass-through of these standard digital audio formats via HDBaseT: LPCM (up to 8 channels), Bitstream, and HD Bitstream
- High quality Digital to Analog Conversion (DAC) of LPCM 2.0 audio sources for local audio breakout.
- Supports generation of OSD banner information
- Advanced internal and external EDID management with 4 sets of configurable EDID settings
- 1U rack mounted design
- Control via front panel controls, Ethernet (Telnet & WebGUI), RS 232, & IR remote

### SPECIFICATIONS

#### Interfaces

<b>Input Ports</b>	4 x HDMI (Type-A)
<b>Output Port</b>	4 x Cat5e/6/7 4 x Stereo Audio (RCA pairs)
<b>Control Ports</b>	1 x RS-232 (DE-9) 1 x IP Control (RJ-45) 1 x USB2.0 (Type-A) 5 x IR Extender (3.5mm) 5 x IR Blaster (3.5mm)

#### Video

<b>HDMI Compliance</b>	2.0 (DVI 1.0)
<b>HDCP Compliance</b>	2.2
<b>Input Signal Types</b>	HDMI 4K@60 YUV 4:4:4
<b>Output Signal Types</b>	Cat5./6/7 4K@60 YUV 4:4:4
<b>Resolutions</b>	
<b>Maximum Input</b>	HDMI 4096x2160p@60
<b>Maximum Output</b>	Cat5e/6/7 4096x2160p@60

#### Audio

<b>HDMI</b>	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
<b>HDBT</b>	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
<b>Line Out</b>	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

#### Power

<b>Power Supply</b>	24V/6.25A
<b>Power Consumption</b>	92W

#### Enclosure

<b>Chassis Material</b>	Metal (Steel)
<b>Chassis Color</b>	Black
<b>Dimensions (WxHxD)</b>	438mmx 44mmx 270mm (Case Only) 482mmx 49mmx 279mm (All Inclusive)
<b>Weight</b>	3.642kg