



This 1×4+1 4K UHD HDMI Splitter provides an advanced solution for splitting and distributing a single HDMI input (up to 4K@60Hz w/ HDMI 2.0 & HDCP 2.2) to 4 HDBaseT outputs as well as to a single HDMI output with analog stereo audio breakout. The UHD source may be distributed to any of four HDBaseT Receivers via a single Cat.5e/6/7 cable (up to 70m at 1080p or up to 40m at 4K). Despite HDBaseT's 10.Gbps 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 connected to compatible AVLC Receivers. If the connected HDBaseT Receiver can't support AVLC, 4K@60Hz RGB/YUV 4:4:4 signals will be converted to YUV 4:2:0 or downscaled to 1080p based on the detected EDID on each output.

This unit provides solid audio support, including bypassing 8 channel LPCM digital audio as well as advanced Bitstream and HD Bitstream audio formats via HDBaseT and HDMI. Additionally, an analog stereo audio breakout output is available to provide audio to local powered speakers (LPCM 2.0 sources only). Standard EDID management functionality is included and the PoH (Power over HDBaseT) feature can provide power to compatible receivers, providing greater flexibility in installations. Control is via front panel controls with an OSD and RS-232.

PANELS



Front View

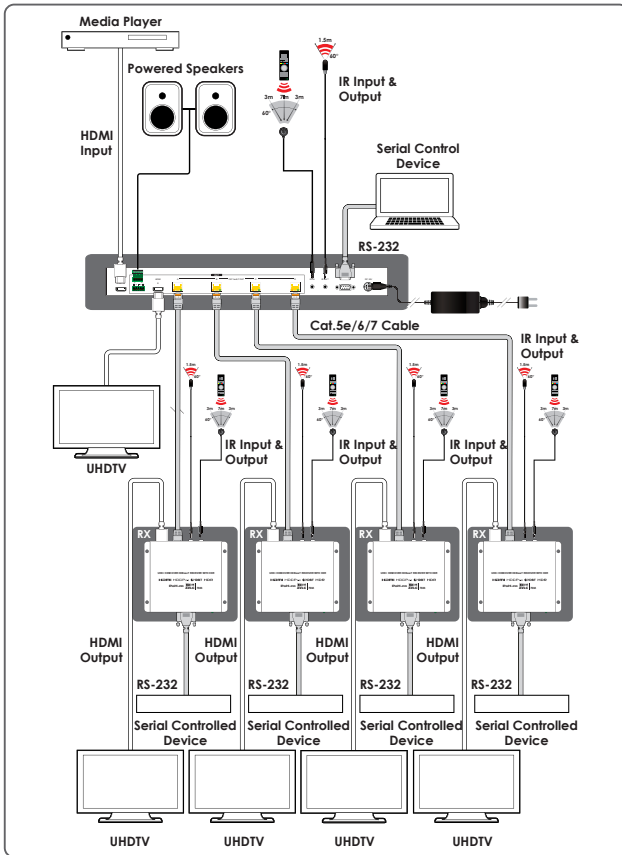
Rear View

FEATURES

- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output, Deep Color input and output up to 12-bit and 10-bit and 12-bit HDR (High Dynamic Range) input/output
Note: Support of resolutions requiring bandwidth above 10.2Gbps via HDBaseT requires a compatible AVLC receiver.
- Supports automatic 4K@60Hz RGB/YUV 4:4:4 to YUV 4:2:0 conversion or downscaling to 1080p for compatibility with non-AVLC HDBaseT receivers based on the detected EDID on each output
- Supports pass-through of all standard digital audio formats: 8 channel LPCM, Bitstream, and HD Bitstream. High-quality Digital to Analog audio Conversion (DAC) with local analog stereo audio breakout (LPCM 2.0 sources only)
- Comprehensive EDID management options
- HDBaseT feature support: HD Video and Audio, PoH and Control (bi-directional RS-2323 and IR pass-through)
- Supports standard PoH from the unit to connected HDBaseT receivers (compatible receivers only)

Note: The 48V PoH function is designed for powering compatible Receiver units only. Non-PoH Receivers will need their own power supply. Receivers from other brands may not be compatible.

DIAGRAM



SPECIFICATIONS

Interfaces

Input Port	1×HDMI (Type-A)
Output Port	4×Cat5e/6/7 (RJ-45) 1×HDMI (Type-A) 1×Audio (Terminal Block)
Control I/O	1×RS-232 (D-sub)
Pass-through Port	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm)
Service Port	1×USB (Mini B)

Video

HDMI Compliance	HDMI 2.0 (HDBT 1.0)
HDCP Compliance	2.2
Input Signal Types	HDMI 4K@60 YUV 4:4:4
Output Signal Types	HDMI 4K@60 YUV 4:4:4 HDBT 4K@60 YUV 4:2:0

Resolutions

Maximum Input	HDMI	4096x2160p@60
Maximum Output	HDMI	4096x2160p@60
	HDBT	4096x2160p@60 3840x2160p@60 with AVLC active

Audio

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

Power

Power Supply	24V/3.75A DC
Power Consumption	20.8W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	432mm×44mm×174mm [Case Only] 432mm×44mm×180mm [All Inclusive]
Weight	906 g

Field Firmware Update

Mini-USB to PC

ORDERING INFORMATION

Model No.	Product Description
CHDBT-1H4CPLV	4K UHD ⁺ 1 by 4+1 HDBaseT/HDMI Splitter
CH-1527RXPLV	4K UHD+ HDMI over HDBaseT Receiver(PD)