

CH-2605RXV

UHD+ HDMI over HDBaseT Receiver with HDR/ARC

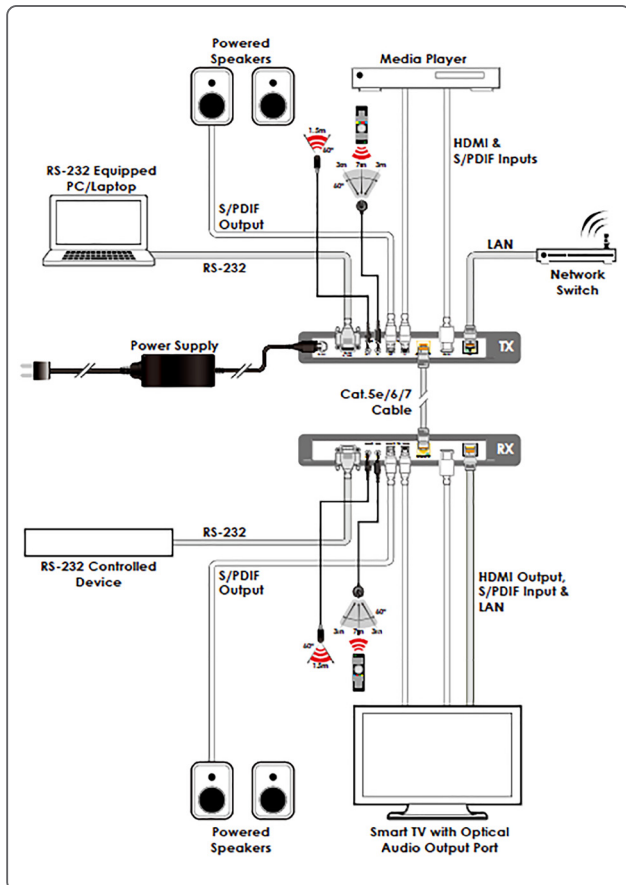


This HDBaseT 2.0 Receiver provides for the reception of 4K video with HDR and high bitrate audio over a single Cat.6a/7 cable at distances of up to 100m (328 feet). This Receiver complies with the advanced HDCP 2.2 and HDMI 2.0 standards, as well as supporting the legacy HDCP 1.x and HDMI 1.x standards. 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 received and processed by the use of AVLC (Adaptive Visually Lossless Compression) when connected to a compatible AVLC Transmitter. This Receiver can also pass RS-232, IR, Ethernet, and multiple audio streams across the same cable that carries the video signal. The selectable Audio Return Channel (ARC)/bi-directional optical audio feature allows audio generated by an ARC-enabled TV to be sent back to the Transmitter and output over the optical output for local playback, or for optical audio to be exchanged bi-directionally between the Transmitter and Receiver. The 48V PoH (Power over HDBaseT) feature allows a compatible connected Transmitter to be powered directly by the Receiver, eliminating the need for a separate power supply for the Transmitter.

PANELS



DIAGRAM



FEATURES

- Supports CEC bypass
- HDBaseT input receives video, audio and data over a single Cat.5e/6/7 cable and can reach distances up to 100m/328ft at 4K when using Cat.6a/7
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 48V PoH (PD), bi-directional optical audio and Control (bi-directional IR/RS-232 pass-through)
- Integrated AVLC (Adaptive Visually Lossless Compression) allows for sources up to 18Gbps (600MHz) to be received from a compatible Transmitter with no loss of visual quality
- Selectable Audio Return Channel (ARC)/bi-directional optical audio functionality
- Supports standard 48V PoH from Receiver to Transmitter (compatible Transmitters only)
Note: The 48V PoH function is designed for powering compatible Transmitter units only. Non-PoH Transmitters will need their own power supply. Transmitters from other brands may not be compatible.

SPECIFICATIONS

Interfaces

Input Port	1 HDBaseT (RJ-45) 1 S/PDIF (TOSLINK)
Output Port	1 HDMI (Type-A) 1 S/PDIF (TOSLINK)
Pass-through Ports	1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (DE-9) 1 LAN (RJ-45)
Service/Control Port	1 USB (Mini-B)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Type	4K@60 8bit YUV 4:2:0, HDR
Output Signal Type	4K@60 8bit YUV 4:4:4, HDR

Resolutions

Maximum Input	HDBaseT	4096×2160p@30
Maximum Output	HDMI	4096×2160p@60

Power

Power Supply	24V/2.7A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	8W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×115mm [All Inclusive]
Weight	660g

Field Firmware Update

USB Flash Drive

ORDERING INFORMATION

Model No.	Product Description
CH-2605RXV	UHD+ HDMI over HDBaseT Receiver with HDR/ARC
CH-2605TXV	UHD+ HDMI over HDBaseT Transmitter with HDR/ARC