

CH-1601RX

HDMI/Audio over CAT5e/6/7 Receiver

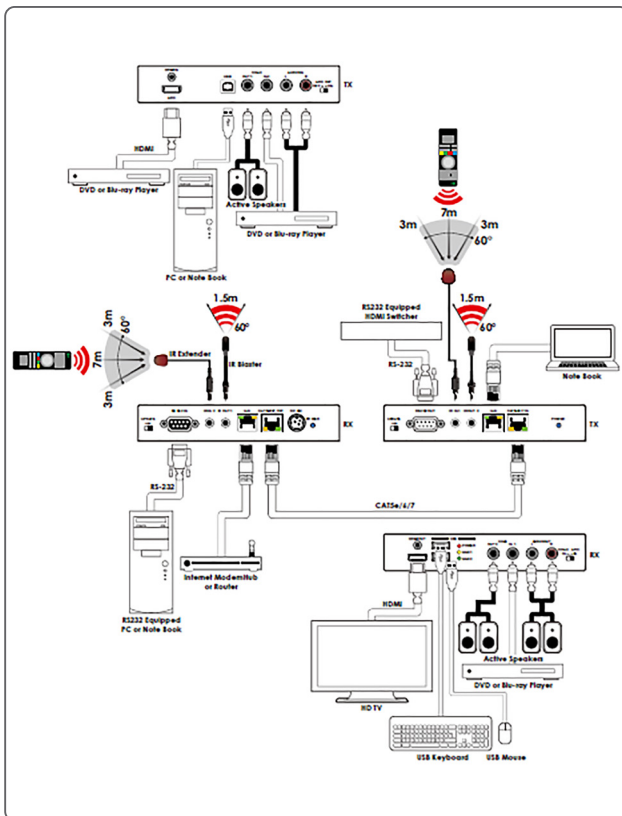


This HDMI and Audio over Single CAT5e/6/7 Receiver set can receive uncompressed audio/video along with controls, IP and USB data over a single run of CAT5e/6/7 cable up to 100m. It has the added benefit of control through the built-in RS-232 and IR ports and a bidirectional LAN serving connection. There is a bidirectional digital audio capability that gives users the convenience of an additional audio connection. This system also enabling a USB connection to up to 2 USB ports, giving the ability to act like a USB hub. The 48V PoE design can power the Receiver (PD) from the Transmitter (PSE), eliminating the need for a separate power supply for the Receiver.

PANELS



DIAGRAM



FEATURES

- Supports HDBaseT 2.0 specification supporting over a single CAT6/7 cable up to 100m/328ft and CAT5e cable up to 90m/295ft
- Features 2 USB 2.0 ports
- HDMI (with 3D & 4Kx2K support), HDCP and DVI compliant
- HDBaseT 5Play™ convergence: High-Definition (HD) Video and Audio, 100BaseT Ethernet, PoE and Control (Bidirectional IR/RS-232 pass-through)
- Supports pass-through of audio formats: LPCM2/5.1/7.1CH, Dolby Digital 2~5.1Ch, Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio
- Supports coaxial cable up to 1 meter with sampling rate up to 48kHz
- Supports 10/100 Ethernet network connection
- LAN and external digital audio capability
- Supports RS-232 baud rate up to 115200bps

SPECIFICATIONS

Interfaces

Input Port	1 HDBaseT (RJ45) 1 IR (3.5mm) 1 Coaxial (Female)
Output Port	1 HDMI (Type-A) 1 RS-232 (DB-9) 1 LAN (RJ45) 1 Coaxial 1 IR 2 USB

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Types	4K@60 YUV 4:2:0
Output Signal Types	4K@60 YUV 4:2:0

Resolutions

Maximum Input	CAT5e/6/7	4096x2160p@60 YUV 4:2:0
Maximum Output	HDMI	4096x2160p@60 YUV 4:2:0

Power

Power Supply	48VDC/0.83A (US/EU standards, CE/FCC/UL certified)
Power Consumption	10w

Enclosure

Chassis Material	Metal
Chassis Color	Black
Dimensions (W×H×D)	160mm x 30mm x 130mm /Jacks Excluded 165mm x 33mm x 141mm /Jacks Included
Weight	618g

Field Firmware Update

RS232

ORDERING INFORMATION

Model No.	Product Description
CH-1601RX	HDMI/Audio over CAT5e/6/7 Receiver
CH-1601TX	HDMI/Audio over CAT5e/6/7 Transmitter with 48V PoE