

# CH-1601TX

## HDMI/Audio over CAT5e/6/7 Transmitter with 48V PoE



This HDMI and Audio over Single CAT5e/6/7 Transmitter can send 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 LAN serving connection. There is a bidirectional digital audio capability that gives users the convenience of an additional audio connection. This system also allows the connection of any USB host, enabling USB signal transmission and an analog L/R audio input for external audio extending. The 48V PoE design can power the compatible Receiver (PD), eliminating the need for a separate power supply for the Receiver.

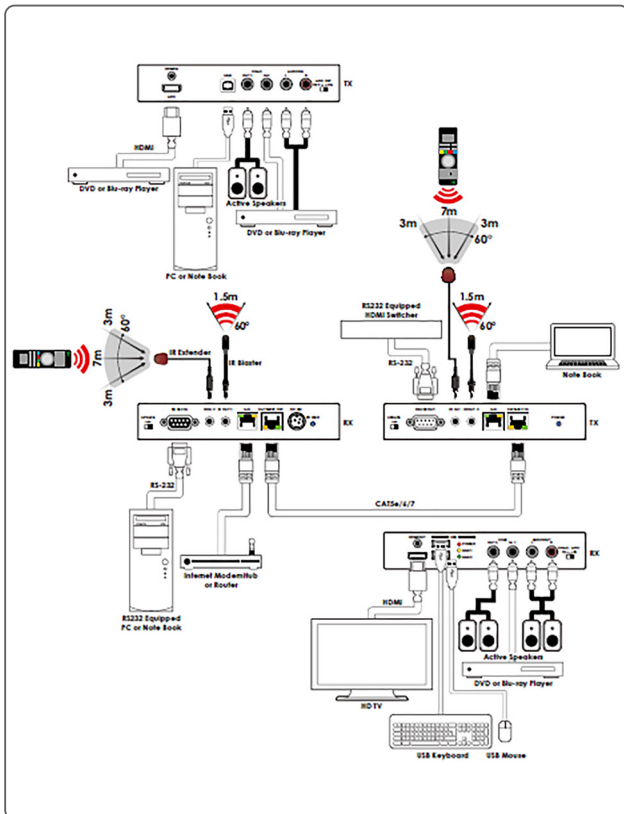
### PANELS



Front View

Rear View

### 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
- 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

<b>Input Port</b>	1 HDMI (Type-A) 1 LAN (RJ45) 1 RS-232 (DB-9) 1 IR (3.5mm) 1 USB (Type-B) 1 Coaxial (Female) 1 L/R (RCA)
<b>Output Port</b>	1 HDBaseT(RJ45) 1 IR (3.5mm) 1 Coaxial (Female)

#### Video

<b>HDMI Compliance</b>	HDMI 1.4 (DVI 1.0)
<b>HDCP Compliance</b>	2.x
<b>Input Signal Types</b>	4K@60 YUV 4:2:0
<b>Output Signal Types</b>	4K@60 YUV 4:2:0

#### Resolutions

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

#### Power

<b>Power Supply</b>	48VDC/0.83A (US/EU standards, CE/FCC/ UL certified)
<b>Power Consumption</b>	9w

#### Enclosure

<b>Chassis Material</b>	Metal
<b>Chassis Color</b>	Black
<b>Dimensions (W×H×D)</b>	160mm x 30mm x 130mm / Jacks Excluded 165mm x 33mm x 141mm / Jacks Included
<b>Weight</b>	624g

#### Field Firmware Update

PC

### ORDERING INFORMATION

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