



PUV-1610TX

Standard HDBaseT1 Transmitter for the Reverse Power PUV-1600 Series



The PUV-1610TX Transmitter enables transmission of video resolutions up to 4K UHD, along with HD audio, 2-Way IR, RS-232, PoH (Power over HDBaseT), and LAN signals up to 100m. This solution provides advanced signal management ensuring reliable results in the most demanding installation environments. All audio, video, control, and power are transmitted simultaneously over a single CAT6a/7 cable up to 100m.

A key feature of the PUV-1600 series is that the power is sent to the TX from the mains powered RX. This offers additional flexibility when integrating and designing commercial AV systems.

PANELS

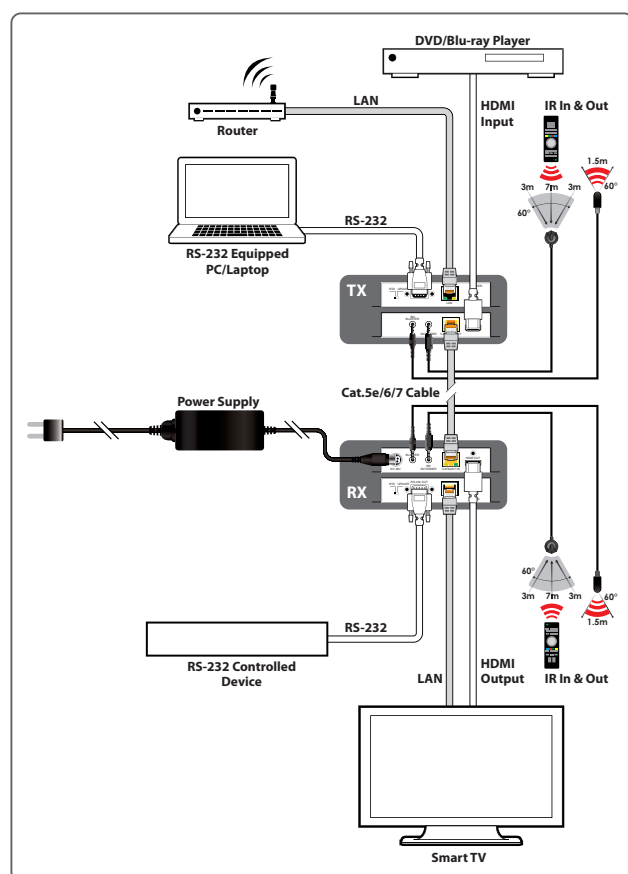


Front View



Rear View

DIAGRAM



FEATURES

- Supports uncompressed video/audio up to 10.2Gbps
- HDCP2.2 Compliant
- Supports resolutions VGA~WUXGA, 480i~1080p, 4K UHD@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2), 4K UHD@60Hz (YUV 4:2:0), 4K/2K@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2) and 4K/2K@60Hz (YUV 4:2:0) dependent upon the output display's EDID settings
- 4K/2K & 4K UHD signals can be transmitted up to 70m via CAT5e/6 and 100m via CAT6a/7
- 1080p signals can be transmitted up to 100m via CAT5e/6/6a/7
- Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- 5-Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)
- Supports 3D signals
- PoH received from the mains powered RX

Notes:

- The 48V PoH function is designed to power compatible Transmitter units only. Non-PoH Transmitters will need their own power supply. Other brands of Transmitter may not be compatible.
- The use of "Premium High Speed HDMI" cables is highly recommended for displaying 3D and 4K content and compatible display equipment is required.

SPECIFICATIONS

Interfaces

Input Port	1 x HDMI (Type-A)
Output Port	1 x HDBaseT (RJ-45)
Control I/O	1 x LAN (RJ-45)
Pass-through Port	1 x IR Extender (3.5mm) 1 x IR Blaster (3.5mm) 1 x RS-232 (DE-9)

Video

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

Resolutions

Maximum Input	HDMI	4096x2160p@60 YUV 4:2:0
Maximum Output	HDBaseT	4096x2160p@60 YUV 4:2:0

Audio

HDMI	LPCM 8 channel Bitstream High-Definition Bitstream
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Power

Power Supply	48V/0.83A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	4.71W

Enclosure

Chassis Material	Metal
Chassis Colour	Black
Dimensions (W×H×D)	128mm×25mm×108mm (W×H×D) [Case Only] 128mm×25mm×117mm (W×H×D) [All Inclusive]
Weight	366g

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
PUV-1610TX	Standard HDBaseT1 Transmitter for the Reverse Power PUV-1600 Series
PUV-1610RX	Standard HDBaseT1 Receiver for the Reverse Power PUV-1600 Series