



This HDBaseT 2.0 Receiver is designed for use in environments needing a wide range of flexibility when it comes to inputs, outputs, and control. With a 2 by 2 matrix arrangement of HDBaseT & HDMI inputs and dual HDMI outputs this Receiver can handle a variety of source routing scenarios. The HDMI input and outputs support resolutions up to a maximum of 4K@60Hz (4:4:4, 8-bit) while the HDBaseT input supports resolutions up to a maximum of 4K@60Hz (YUV 4:2:0, 8-bit). A balanced analog stereo audio breakout is also provided (LPCM 2.0 sources only) allowing for professional local powered speakers to be easily added to the system. The HDBaseT input not only supports video and audio but also bi-directional Ethernet, RS-232, USB, and IR.

When paired with this unit's standard Transmitter, up to 3 switchable USB 2.0 host (Type B) connections are available (2 on the Transmitter, 1 on the Receiver) which connect to 6 USB 2.0 (Type A) device ports (3 on the Transmitter, 3 on the Receiver) for a multi-source, bi-directional, and highly flexible KVM configuration (Note: Only 1 USB host may be active at a time).

This Receiver (PSE) can provide PoH (Power over HDBaseT) power to the connected HDBaseT Transmitter (PD) (compatible Transmitters only), allowing for greater flexibility within different installation scenarios. This unit is controllable via front-panel controls, WebGUI, Telnet, and RS-232.

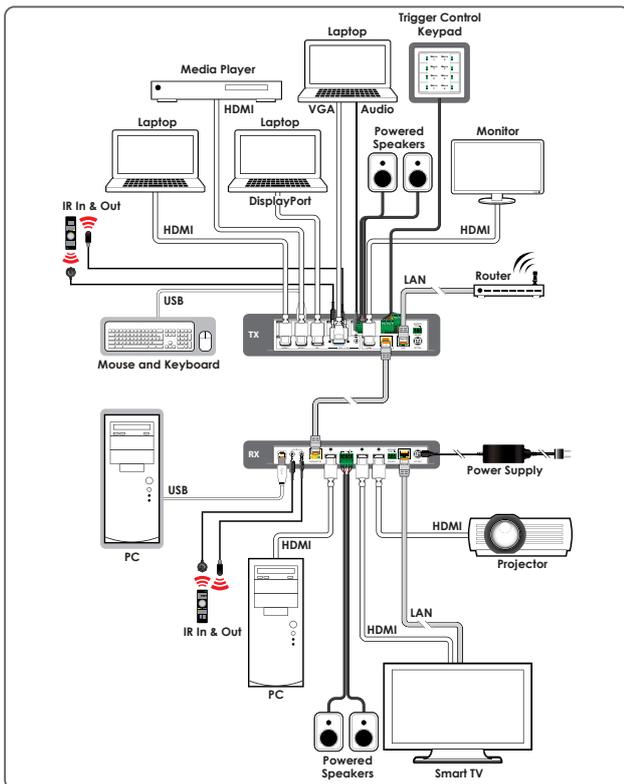
PANELS



Front View

Rear View

DIAGRAM



FEATURES

- HDMI input and output with 3D & 4K video support (18Gbps)
- HDBaseT 2.0 compatible
- Selectable HDMI and HDBaseT inputs
- 2x2 matrix switching (both HDMI outputs are independent)
- Supported HDBaseT features: HD video and audio, 100BaseT Ethernet, PoH, and control (bi-directional IR/RS-232/USB pass-through)
- Balanced analog stereo audio breakout
- Flexible USB host selection using front panel buttons
- Multiple USB hosts may be connected at once (up to 3 total, between the Tx and a compatible Rx unit) with a single selected host active at a time
- Supports providing PoH power from Receiver (PSE) to Transmitter (PD) (compatible Transmitters only)

SPECIFICATIONS

Interfaces

Input Port	1xHDMI (Type-A) 1xHDBaseT (RJ-45)
Output Port	2xHDMI (Type-A) 1xBalanced Stereo (5-pin Terminal Block)
Pass-through Port	1xIR Extender (3.5mm) 1xIR Blaster (3.5mm) 3xUSB 2.0 (Type A) 1xUSB 2.0 (Type B) 1xRS-232 (3-pin Terminal Block)
Control I/O	1xLAN (RJ-45) 1xRS-232 (3.5mm)

Video

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Input Signal Type	HDMI 4K@60 8bit YUV 4:4:4 HDBT 4K@60 8bit YUV 4:2:0
Output Signal Type	HDMI 4K@60 8bit YUV 4:4:4

Resolutions

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

Audio

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

Power

Power Supply	24V/3.75A DC
Power Consumption	22.33W

Enclosure

Chassis Material	Metal(Steel)
Chassis Color	Black
Dimensions (WxHxD)	231.5mmx44mmx160mm [Case Only] 231.5mmx44mmx167mm [All Inclusive]
Weight	928g

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
CH-2603RX	HDMI/HDBaseT/USB to HDMI Receiver
CH-2603TX	HDMI/DP/VGA/USB to HDMI/HDBaseT Transmitter