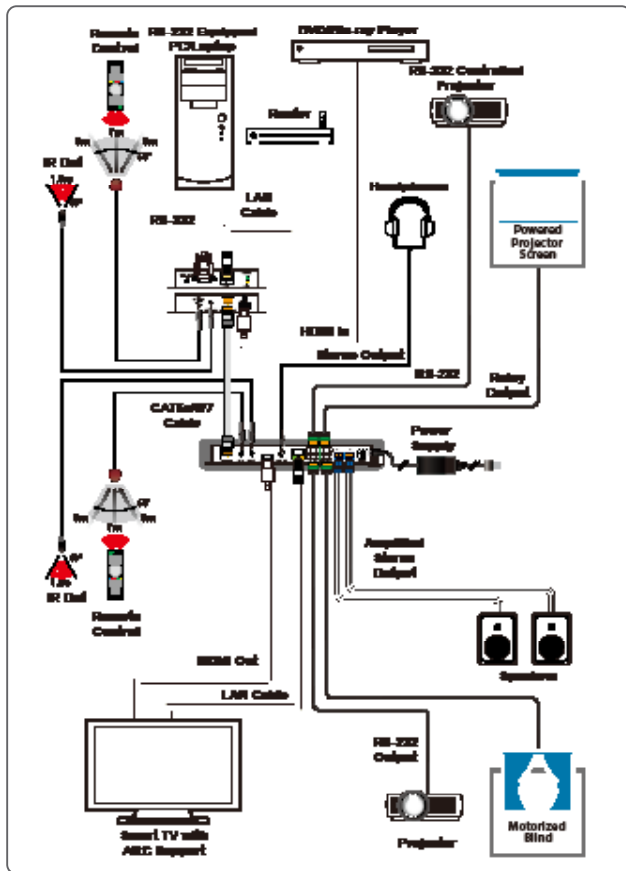# ▶ CH-2540RX

This UHD⁺ HDMI over HDBaseT Receiver with Amplifier is a 2 by 1 switch with standard HDMI and HDBaseT inputs and an HDMI output as well as amplified stereo audio output. The integrated headphone mini-jack and class D stereo amplifier with 20 watts of power per channel provide easy ways to extract audio from the current selected source (LPCM 2.0 sources only) for local playback, offering a flexible sound experience with volume control.

Additionally, the automatic switching function allow this receiver to provide friendly user experience and is ideal for use in residential or commercial point to point applications that require long HDBaseT signal transmission distances such as home theaters, conference rooms, huddle rooms, or lecture halls.

PANELS

Front View   Rear View

DIAGRAM

FEATURES

- Supports Deep Color input and output up to 12-bit at 1080p60
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output (HDMI bypass only)
- Supports CEC bypass
- Comprehensive EDID and HDCP management
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, PoH (PSE) and Control (bi-directional IR/RS-232 pass-through)
- 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

SPECIFICATIONS

Interfaces

Input Port	1×HDMI (Type-A) 1×HDBaseT (RJ-45)
Output Port	1×HDMI (Type-A) 1×Stereo Audio (3.5mm) 1×Stereo Audio (2×2-pin Term. Block)
Pass-through Port	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (4-pin Terminal Block) 4×Power Relay (2-pin Terminal Block)
Control I/O	1×RS-232 (4-pin Terminal Block) 1×LAN (RJ-45)
Service Port	1×USB 2.0 (Type-A)

Video

HDMI Compliance	HDMI 2.0	
HDCP Compliance	2.2	
Input Signal Types	HDMI HDBaseT	4K@60 8 bit YUV 4:4:4 4K@60 8 bit YUV 4:2:0 4K@30 8 bit YUV 4:4:4
	100BaseT Ethernet, PoH (PSE), Control (RS-232)	
Output Signal Types	HDMI	4K@60 8 bit YUV 4:4:4
	Resolutions	
Maximum Input	HDMI HDBaseT	4096×2160p@60 4096×2160p@30 1920×1200p@60RB
Maximum Output	HDMI	4096×2160p@60

Audio

Input Signal Types	HDMI, HDBaseT
Output Signal Types	Stereo Output 3.5mm Stereo Output 2×2-pin Terminal Block
Digital Formats	HDMI, 8CH LPCM, HD Bitstream HDBaseT, 8CH LPCM, HD Bitstream

Power

Power Supply	24V/3.75A
Power Consumption	91.63W (Full load)

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×112mm [All Inclusive]
Weight	679g

Field Firmware Update

USB Flash Drive, WebGUI

ORDERING INFORMATION

Model No.	Product Description
CH-2540RX	UHD⁺ HDMI over HDBaseT Receiver with Amplifier
CH-2527TX	UHD HDMI over HDBaseT Transmitter with PoH