

PANELS



Front View

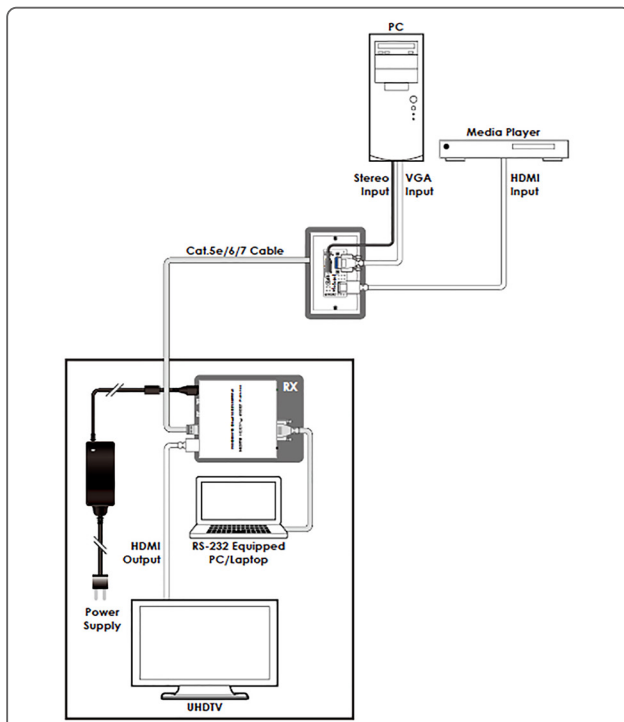


Rear View

INTRODUCTION

This Wallplate Switcher is an HDMI and VGA switch with audio embedding and HDBaseT output. The wallplate is designed for use with US single-gang sized enclosures. This Transmitter can send uncompressed high-definition video/audio over a single cable up to a distance of 100 meters at 1080p@60Hz. The HDMI input supports resolutions up to 4K@60Hz (4:4:4, 8-bit) and the VGA input supports resolutions up to WUXGA (RB). With the use of the 3.5mm audio input, stereo audio may be embedded with VGA or DVI sources as well. Despite HDBaseT's 10.2Gbps bandwidth limitation, high bandwidth 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit), can be supported and will be automatically converted to 8-bit color, or the 4:2:0 color space when necessary. Signal management features such as automatic switching based on input signal and hot plug detection enable convenient handsfree operation. A multi-function button on the face of the unit provides access to an information OSD as well as allowing manual input selection. When paired with a compatible Receiver, additional functionality such as EDID management, HDCP management and basic event automation (which can send customized RS-232 or CEC commands to external devices automatically) also becomes accessible. This Transmitter (PD) may be powered locally or via 48V PoH from a compatible HDBaseT Receiver (PSE), which allows for greater flexibility in installations. The unit can be controlled via the front panel button with OSD. When paired with a compatible Receiver it may also be controlled via WebGUI, Telnet, and RS-232 making it exceptionally versatile.

DIAGRAM



FEATURES

- Wall plate is designed for US one-gang sized enclosures
- Supports CEC bypass and User activated information OSD
- Unit may be powered locally or via 48V PoH from a compatible HDBaseT Receiver (PSE)
- Supports manual input selection or automatic input selection with hot plug detection
- Basic signal event automation (via RS-232 or CEC w/ compatible Receiver)
- USB port supports firmware update and powering of 5V/500mA devices
- Controllable via a multi-function front panel button with OSD, or via WebGUI, Telnet, and RS-232 (w/ compatible Receiver only)

SPECIFICATIONS

Interfaces	
Input Port	1 HDMI (Type-A) 1 VGA (HD-15) 1 Stereo Audio (3.5mm)
Output Port	1 HDBaseT (RJ45)
Video	
HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Types	4K@60 8-bit YUV 4:4:4
Output Signal Types	4K@60 8-bit YUV 4:2:0
Resolutions	
Maximum Input	HDMI 4096×2160p@60 VGA 1920×1200@60 (RB)
Maximum Output	HDBaseT 4096×2160p@30
Power	
Power Supply	48V PoH or 12V/3A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	20.4W
Enclosure	
Chassis Material	Aluminum
Chassis Color	White
Dimensions (W×H×D)	46mm×104mm×67mm [Case Only] 46mm×104mm×71.5mm [All Inclusive]
Weight	200g
Field Firmware Update	
USB	

ORDERING INFORMATION

Model No.	Product Description
CH-2537TXWPUS	UHD ⁺ HDMI/VGA over HDBaseT Wallplate Switcher
CH-2527RX	UHD HDMI over HDBaseT Receiver with PoH