



### 18G, 3x1 2xHDMI/VGA Wall Plate w/Auto-Switching, USB2.0, POC (2-Gang US Decora, 40M@4K, 70M@1080P) White color Tx/Rx pair

The product is a multi-function AV intelligent education system. It offers 2HDMI and VGA video extension, video switching, system control, and analog audio amplification. Uncompressed video and audio can be transmitted up to 230ft/70m. This design of HDBaseT™ technology allows for full usage of HDMI and controls over CAT5e/6/6A cable. The product supports Web GUI and panel button control. The transmitter support HDCP 1.4, and HDCP2.2 and can be switched manually, auto, hybrid, or priority. And the maximum distance can be up to 70m at 1920x1200@60Hz or up to 40m at 4K @ 30 Hz.

The receiver supports a microphone input, analog audio output, 2x30 at 4 ohms speaker output, and Relay control to the projector screen rise and fall or RS-232 control to the display power on and off. A USB port on the receiver will transmit interactive display connections to the transmitter.

Control Panel supports volume control and system control. At the same time, it can support 2 HDMI and one VGA input selection.

### Featured Highlights

- HDMI 1.4b, HDCP 2.2, and HDCP 1.4 compliant.
- Video resolutions up to 4K2K@30Hz, 1080p@120Hz and 1080P 3D@60Hz.
- Audio up to 7.1 channels of High Definition audio pass through (LPCM, Dolby TrueHD, and DTS-HD Master Audio).
- HDBaseT™ over a single CAT5e/6/7 cable up to 230ft/70m distance.
- Support multi-VESA Standard VGA formats input.
- Supports MIC input.
- 2x30watts@4 ohms amplifier output.
- Supports interactive display USB pass-through.
- Supports Web GUI control.
- Supports control panel volume control and system control.
- Supports relay control.
- Supports RS-232 control.

## TECHNICAL

HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 2.2/ HDCP 1.4
Video Bandwidth	10.2 Gbps
Video Resolution	up to 4K2K@30Hz, 1080P@120Hz and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8/10/12-bit
HDMI Audio Formats	LPCM 2/5, 1/7, 1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

## CONNECTIONS

Connections	Inputs: 2x HDMI IN Type A [19-pin female] 1x VGA [DB15 VGA female] 1x AUDIO IN [3.5mm Stereo Mini-jack] 1x RS-232/POWER [RJ45] Outputs: 1x HDBaseT Out [RJ45]
Receiver	Inputs: 1x HDBaseT In [RJ45] 1x MIC IN [Screw Terminal] 1x USB [USB A TYPE] 1x TCP/IP [RJ45] Outputs: 1x HDMI OUT Type A [19-pin female] 1x RS-232 [Screw Terminal] 1x RELAY [Screw Terminal] 1x AUDIO OUT [Screw Terminal] 1x 2x30watts@4 ohms amplifier output [Screw Terminal]

## MECHANICAL

Housing	Metal Enclosure
Color	Transmitter: White, Receiver: Black
Dimensions	Transmitter: 115.9mm [W] x 114.3mm [D] x 38.7mm [H] Receiver: 250mm [W] x 104mm [D] x 30mm [H]
Weight	Transmitter: 305g, Receiver: 758g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 24V/3.75A (US/EU standards, CE/FCC/UL certified)
Power Consumption	75W (max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (Non-Condensation)

## APPLICATION EXAMPLE

