



VWS-21T  
HDBaseT Wall Plate Transmitter



VWS-21T EU Model

VWS-21T UK Model



VWS-21R  
HDBaseT Wall Plate Receiver

## VWS-21T

### HDBaseT Wall Plate Transmitter for HDMI / VGA

The VWS-21T is a Decora style HDBaseT transmitter that delivers an 1080p HDMI or VGA video signal over Cat5e/6 up to 229ft (70m) and a 4K signal up to 131ft (40m) to the VWS-21R HDBaseT Receiver or any HDBaseT compatible receiver. The front plate provides a switch to select the input source (HDMI or VGA with Audio). It also transmits an RS-232 signal through the same Cat5e/6 cable to control the remote display or projector that's connected to the HDBaseT receiver. In addition, the VWS-21R receiver can be powered through the Cat5e/6 cable using PoH (Power over HDBaseT).

## Key Features

- Support for high resolution video at 4K, 1080p and 3D.
- Selectable HDMI / VGA with audio input.
- Built-in video scaler for HDMI and VGA signal.
- HDCP 1.4 Compliant, supporting HDMI 1.4.
- Utilizes HDBaseT technology for HDMI video, RS-232 control and power over Cat5e/6 cable.
- Extends HDMI video at 1080p resolution up to 229ft (70m) and 4K up to 131ft (40m).
- One RS232 port for control of remote devices.

## VWS-21R

### HDBaseT Wall Plate Receiver

The VWS-21R is a Decora style HDBaseT receiver that receives an HDMI video signal over Cat5e/6 from a VWS-21T transmitter or any HDBaseT compatible transmitter. The VWS-21R can be powered through the Cat5e/6 cable using PoH (Power over HDBaseT). It also receives an IR or RS-232 control signal through the same Cat cable and delivers it to the connected display or projector.

## Key Features

- Support for high resolution video at 4K, 1080p and 3D.
- HDCP 1.4 Compliant, supporting HDMI 1.4.
- Utilizes HDBaseT technology for HDMI video, IR, RS-232 control and power over Cat5e/6 cable.
- Extends HDMI video at 1080p resolution up to 229ft (70m) and 4K up to 131ft (40m).
- One RS232 port for bidirectional control of remote devices.
- One infrared input and output for 2-way IR transmission over HDBaseT

# Specifications

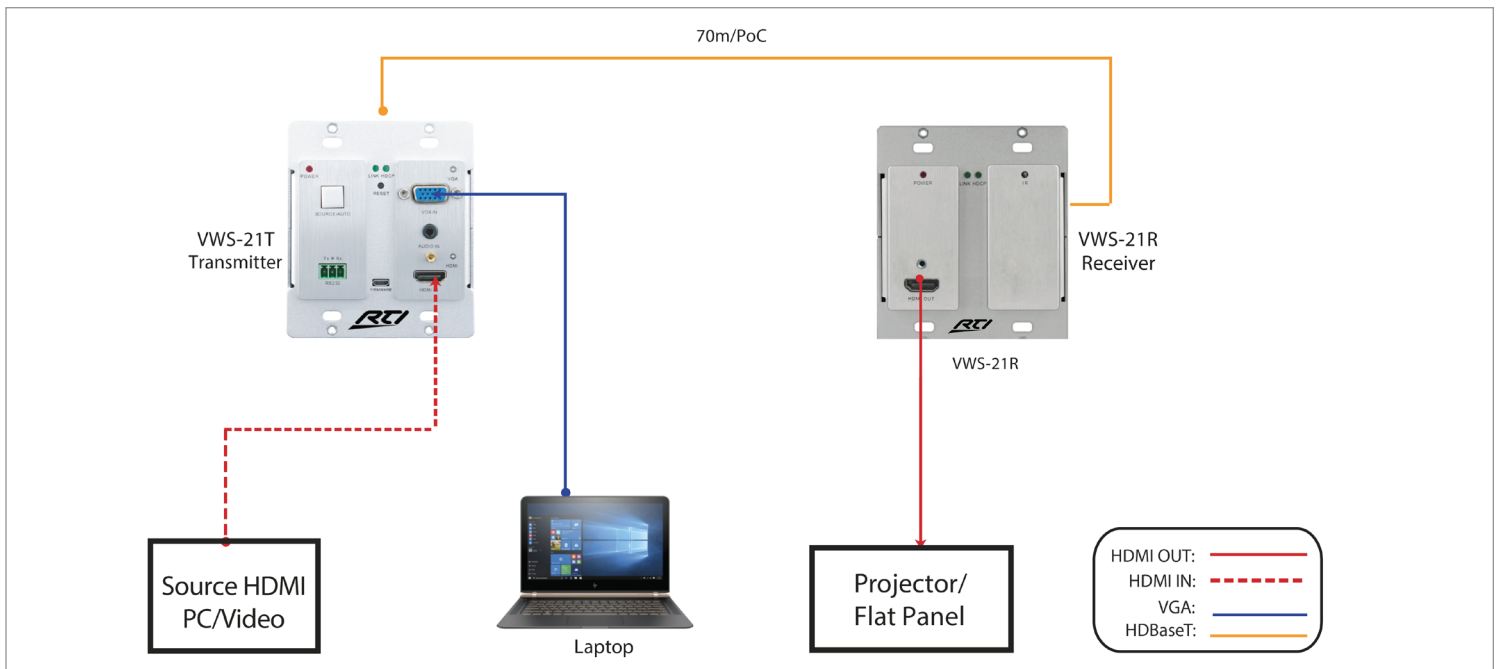
## VWS-21T (Transmitter)

Power Supply (not included)..... 12VDC 2A or via Power over HDBaseT (PoH)  
 Mounting..... US Model: 2-Gang Wall Box  
 Mounting/Cut-Out Dimensions WxH. UK Model: 4.27in(108.6mm) x 1.92in(48.8mm)  
 ..... EU Model: 4.27in(108.6mm) x 1.92in(48.8mm)  
 ..... CAD Drawings are available at [www.rticorp.com/dealer](http://www.rticorp.com/dealer)  
 Dimensions WxHxD... US Model: 4.11in(104.5mm) x 3.50in(89mm) x 1.73in(44mm)  
 ..... UK Model: 5.75in(146mm) x 3.39in(86mm) x 1.74in(44.1mm)  
 ..... EU Model: 5.94in(151mm) x 3.15in(80mm) x 1.74in(44.1mm)  
 Weight ..... 0.64 lbs (290g)  
 Operating Temperature..... C 0 to +40 degrees F +32 to +104 degrees  
 Operating Humidity.....5% to 95% Non-condensing  
 Video Input (Auto-Switching or Manual)..... One HDMI  
 ..... One VGA, female 15-pin HD  
 Resolution Range VGA..... 800 x600, 1024 x 768, 1280 x 800,1280 x 1024,  
 ..... 1440 x 900,1600 x 1200, 1920 x 1080, 1920 x 1200  
 Resolution Range HDMI ..... 4K, 1080p 3D, 1080P, 1080i,  
 ..... 720P, 576P, 576i, 480P, 480i  
 Stereo Audio Input..... One, 3.5 mm jack  
 Frequency Response.....20Hz to 20 kHz  
 Signal-to-Noise Ratio ..... >85db @20Hz~20KHz  
 Control Signal Input.....One, RS-232, 3-pin Phoenix Connector  
 Video/Audio/Control Signal Output..... One HDBaseT (PoH) (RJ45)  
 Bandwidth..... 10.2Gbit/s  
 HDBaseT Transmission Distance ..... 1080P≤229ft (70m), 4K≤131ft (40m)  
 EDID Management..... Built-in EDID data and manual EDID management  
 Compliance .....HDMI 1.4, 3D @1080p, HDCP 1.4  
 Control Port (to control the VWS-21T)..... One, RS-232, 3-pin Phoenix Connector  
 Warranty ..... Three Years (Parts & Labor)

## VWS-21R (Receiver)

Power Supply (not included)..... 12VDC 2A or via Power over HDBaseT (PoH)  
 Mounting.....2-Gang Wall Box  
 Dimensions WxHxD..... 4.09in(104mm) x 3.50in(89mm) x 1.37in(35mm)  
 Weight ..... 0.52 lbs (240g)  
 Operating Temperature..... C 0 to +40 degrees F +32 to +104 degrees  
 Operating Humidity.....5% to 95% Non-condensing  
 Video/Audio/Control Input.....One HDBaseT (PoH) (RJ45)  
 Video Output..... One HDMI  
 Resolution Range HDMI .....4K, 1080P 3D, 1080P, 1080i,  
 ..... 720P, 576P, 576i, 480P, 480i  
 Resolution Range DVI .....1920x1200@60Hz, 1920x1080@60Hz,  
 ..... 1600x1200@60Hz, 1280x1024@75/60Hz,  
 ..... 1024x768@75/70/60Hz, 800x600@75/72/60Hz,  
 ..... 640x480@75/72/60Hz  
 Control Signal Input.....One, RS-232, 3-pin Phoenix Connector  
 ..... One, IR, 3-pin Phoenix Connector  
 .....One, IR Sensor  
 Control Signal Output .....One, RS-232, 3-pin Phoenix Connector  
 ..... One, IR, 2-pin Phoenix Connector  
 Bandwidth.....10.2Gbit/s  
 HDBaseT Transmission Distance ..... 1080P≤229ft (70m), 4K≤131ft (40m)  
 EDID Management..... Built-in EDID data and manual EDID management  
 Compliance .....HDMI 1.4, HDCP 1.4  
 Warranty ..... Three Years (Parts & Labor)

All features and specifications subject to change without notice



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