



DATA SHEET

HDMI HDBaseT + VGA, 3.5mm, RS232, and IR over Cat Extender Dual Gang Wall Plate Transmitter - 4K 60Hz

Allows 4K HDMI or VGA sources to be extended using a single Cat6a Ethernet cable

OVERVIEW

This Wall Plate Transmitter is an ideal solution where video and audio needs to be extended to displays in conference rooms, classrooms, lecture halls, and many other installation needs that are far beyond the length limitations of standard cabling.

This transmitter extends HDMI and VGA signals over a single network patch cable. Extend 4K HDMI up to 115 feet and 1080p VGA up to 230 feet using a Cat5e or Cat6 cable. For longer 4K distances, extend 4K HDMI or up to 130 feet using a Cat6a cable.

This HDMI HDBaseT transmitter is HDCP 2.2 compliant, making sure that the connection from the source is secure. The transmitter supports PoC PD to receive power from an HDBaseT receiver with PSE module. It can also be powered by local 12V power supply and share power with the receiver via the 3-pin phoenix power out connector, so no additional power adapter is required, allowing for greater flexibility in installations. Advanced users can control IR and RS232 pass through.

Support this HDBaseT system that is already deployed in the field by upgrading firmware through the Micro-USB port on front panel of the wall plate transmitter, and upgrade the firmware through the RS232 port on rear panel of the receiver.

This HDBaseT transmitter works with C2G30015, C2G30016, and C2G31015 receivers.

Note: Ensure a solid reliable connection between the 4K HDMI HDBaseT Extender and critical equipment. We suggest using HDMI Cables with gripping connectors that provide greater port retention than standard HDMI connectors.

ITEM DESCRIPTION

| ITEM | DESCRIPTION |
|----------|---|
| C2G31017 | HDMI HDBaseT + VGA, 3.5mm, RS232, and IR over Cat Extender Dual Gang Wall Plate Transmitter - 4K 60Hz |

FEATURES

- Extend 4K at 60Hz (4:2:0) up to 130ft and 1080p at 60Hz up to 230ft with Cat 6a cable
- Extend 4K at 60Hz (4:2:0) up to 115ft and 1080p at 60Hz up to 200ft with Cat 5e/6 cable
- HDCP 2.2 compliant, to create a secure connection between the source and display
- HDBaseT Chipset VS210, for simpler HDBaseT installations
- The Transmitter supports automatic switching, following the last-in-first-out rule
- One-way analog audio pass through from wall-plate transmitter to receiver
- Supports USB 2.0 pass through over HDBT up to 230ft, connecting up to 4 USB devices to the receiver
- Supports CEC switch command sent by wall-plate
- One-way Power over HDBaseT (PoH), so that the wall plate can be powered by receiver
- The transmitter supports firmware upgrade and device control via the Micro USB port

SIGNAL SPECIFICATIONS

- Chipset: VS010
- Input/Output Ports: 1 x VGA IN; 1 x VGA AUDIO IN; 1 x HDMI IN; 1 x HDBT OUT; RS232; IR OUT; DC 12V IN
- Input Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2; VGA input up to 1920x1200 @ 60Hz
- Audio Format: HDMI IN: Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Audio Format: VGA Audio: Stereo
- Maximum Data Rate: 10.2Gbps
- Supports IR and RS232 pass-through

TRANSMISSION DISTANCE

- Cat 6a/7 cable, extends 4Kx2K@60Hz (4:2:0) signal up to 40m/130ft and 1080P@60Hz signal up to 70m/230ft
- Cat 5e cable, extends 4Kx2K@60Hz (4:2:0) signal up to 35m/115ft and 1080P@60Hz signal up to 60m/200ft

ELECTRICAL SPECIFICATIONS

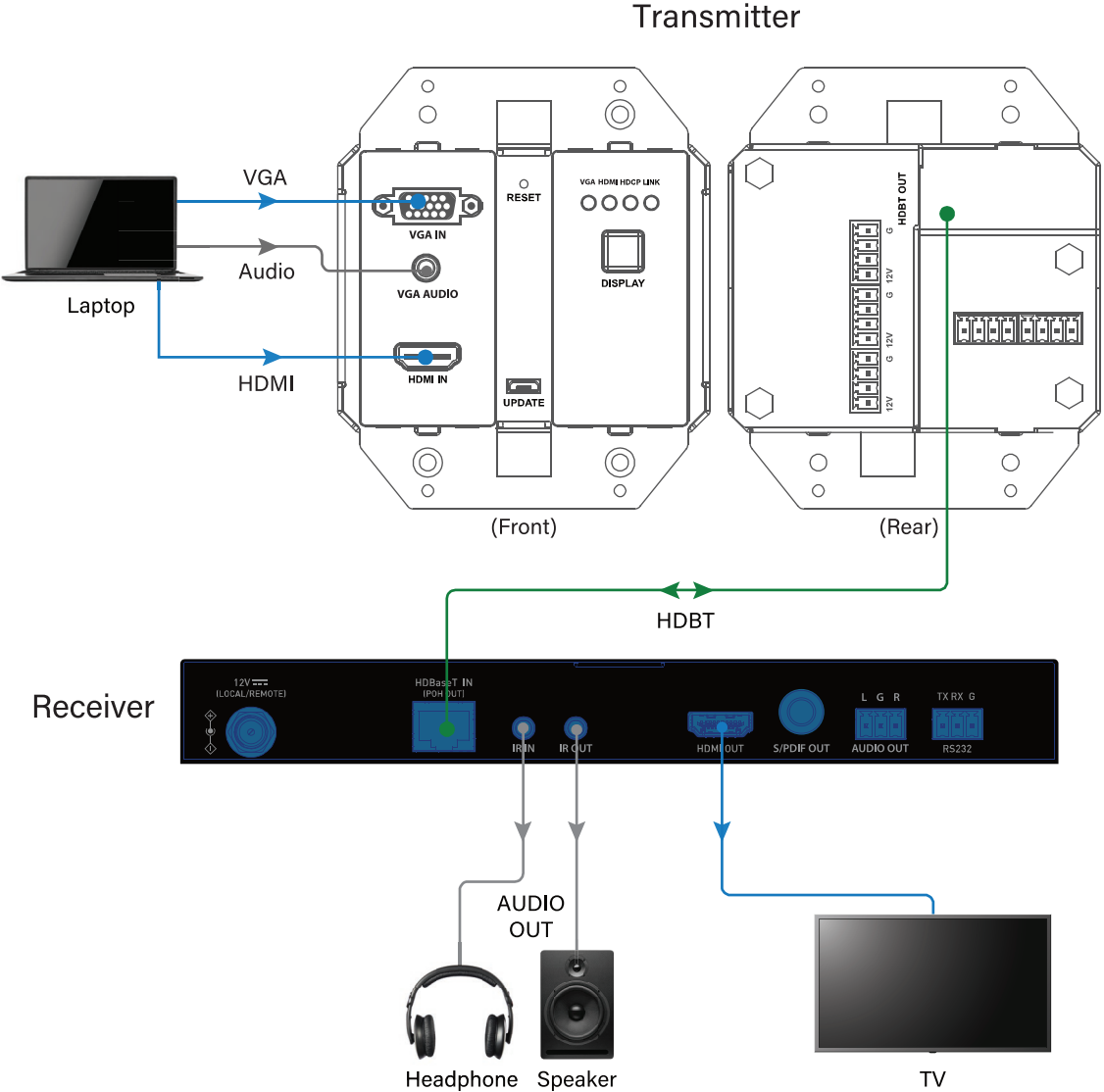
- Power Supply: Powered by separate external DC 12V power supply, sharing power via 3-pin phoenix power out connector
- Power Supply: PoC, powered by the receiver; or local power supply through the 12V phoenix connector
- Power Consumption (Max): 3.9W

PHYSICAL SPECIFICATIONS

- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10% to 90%, Non-Condensing
- ESD Protection: Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)

PHYSICAL CHARACTERISTICS

- Device Dimension (W x H x D): 89mm x 38.4mm x 105.6mm / 3.5" x 1.51" x 4.16"
- Product Weight: 0.3kg / 0.66lb



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