



WP-789R

4K60 4:2:0 HDMI 2-Gang PoE Wall-Plate
Receiver with RS-232 & IR over
Long-Reach HDBaseT

| HDMI | HDBaseT | 4K/60 UHD (4:2:0)



WP-789R is a high-performance, long-reach HDBaseT wall-plate receiver for 4K@60Hz (4:2:0) HDMI and HDCP 2.2 signals over twisted pair. It converts the transmitted HDBaseT signal into an HDMI signal. It extends video signals up to 40m (130ft) over Kramer copper cables at 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This wall-plate is powered through PoE (Power over Ethernet) over the twisted pair cable

FEATURES

High Performance Receiver - Professional HDBaseT receiver for providing long-reach signals over twisted pair copper infrastructures. WP-789R is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

Reliable PoE (Power over Ethernet) Powering - Auto-senses the extension line PoE status, and accepts power from a remote PoE provider such as a PoE matrix, with optional mains powering from connected power adapter

HDMI Signal Extension - Supports HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems

Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

Low Profile Wall-Plate - Designed for elegant, in-wall deployment behind a wall-mounted flat panel display. Minimizes the depth of the installation, especially when connected with a Kramer right-angle HDMI cable

Cost-Effective Maintenance - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting

Easy Installation - Fits into standard US, EU and UK 2-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoE) connections



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TECHNICAL SPECIFICATIONS

Inputs	HDBT: On a female RJ-45 connector
Outputs	HDMI: On a female HDMI connector IR: On 2-pin terminal block connectors (Tx-1 or Tx-2 and G) for signal extension over HDBT line
Ports	RS-232: On 3-pin terminal block connectors (G, Rx, Tx) for signal extension over HDBT line RS-232: On 3-pin terminal block connectors (G, Rx, PROG) for upgrading the FW
Video	Max Bandwidth: 10.2Gbps Max Resolution: 4K@60Hz (4:2:0) Compliance: Supports HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0
Extension Line	Up to 40m (130ft) At 4k@60Hz (4:2:0) Up to 70m (230ft) At full HD (1080p@60Hz)
Extended RS-232	Baud Rate: 300 to 115200 baud
Extended IR	Frequency Wide-range 20kHz to 100kHz modulated or 38kHz fixed
Power	Source: 12V DC Power Adapter or PoE Consumption of Unit with Power Adapter: 500mA
Environmental Conditions	Operating Temperature: 0° to +40°C (32° to 104°F) Storage Temperature: -40° to +70°C (-40° to 158°F) Humidity: 10% to 90%, RHL non-condensing
Regulatory Compliance (Standards Compliance)	Safety: CE Environmental: RoHs, WEEE
Enclosure	Size 2-gang Type: Aluminum Cooling: Convection ventilation
Accessories	Included: 1 Power adapter, 1 power cord, installation accessories Included in the US version: 1 US-D white frame set and faceplate Included in the European version: 1 EU white frame, 1 UK white frame, 1 EU/UK white faceplate
Product Dimensions	US: 12.10cm x 4.70cm x 12.10cm (4.76" x 1.85" x 4.76") W, D, H
Product Weight	US: 0.1kg (0.2lbs) approx
Shipping Dimensions	US: 11.50cm x 4.70cm x 7.00cm (4.53" x 1.85" x 2.76") W, D, H

Shipping Weight

US: 0.7kg (1.5lbs) approx





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CONFIGURATIONS

WP-789R/US-D(W)	US-D-size Wall-Plate Receiver with White Decora® Design Frame
WP-789R/EU-80/86(W)	EU & UK-size Wall-Plate Receiver, with EU & UK White Frames

