



BG-EXH-70UCWP-W

4K UHD 18GBPS HDBASET HDMI/USB-C/RS-232
WALL PLATE TRANSMITTER & RECEIVER KIT UP TO
230FT

Introducing the BG-EXH-70UCWP-W 18Gbps HDBaseT 230ft Wall Plate Kit, a comprehensive solution for advanced signal transmission and distribution. This kit features a USB-C/HDMI Wall Plate Transmitter and an HDBaseT to HDMI Receiver, delivering exceptional performance and versatility for professional AV installations. Enclosed within a sleek US one-gang enclosure compatible with Decora-style wall plate openings, the transmitter functions as a 2x1 switcher and HDBaseT transmitter, supporting HDMI and USB-C inputs.

With support for video resolutions up to 4K2K@50/60Hz 4:4:4 and bidirectional RS-232 pass-through functionality, this kit ensures seamless integration and reliable control signal transmission. Furthermore, the transmitter can be remotely powered via Power Over Ethernet (POE) from the receiver or other HDBaseT-equipped devices, enhancing convenience and flexibility in installation.



FEATURES



SUPPORTS HIGH RESOLUTIONS

Up to 4K@120Hz YUV 4:4:4 with DSC function, extending up to 40m (132 feet)



STANDARDS COMPATIBILITY

Compatible with HDCP 2.3, HDCP 2.2, and HDCP 1.4



HIGH DYNAMIC RANGE VIDEO

Allows for the vivid display of HDR content



EDID AND HDCP BYPASS

Streamlines connectivity by bypassing EDID and HDCP protocols when necessary



DIGITAL STREAM CONVERSION (DSC)

Enables seamless conversion of digital streams, ensuring compatibility with DSC 1.2a standards



COMPRESSED AUDIO FORMATS

Supports various compressed audio formats, including DTS, Dolby Digital, DTS-HD Master Audio™, and Dolby TrueHD



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
DP Compliance	Display Port 1.2a (Adapter required for Display Port)
Video Bandwidth	USB-C: 5.4 Gbps HDMI: 18 Gbps
Video Resolution	480i~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit (1080P@60Hz) 8-bit (4K@60Hz)
HDR	Support
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Transmission Distance	Max distance (1080P) : 230ft / 70m over CAT6/6a/7 Max distance (4K): 131ft / 40m over CAT6/6a/7
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Transmitter	Receiver
Inputs: 1x HDMI Type A [19-pin female] 1x USB-C Outputs: 1x HDBaseT Out [RJ45, 8-pin female] 1x USB-C (only for charging) Control: 1x RS-232 [3-pin phoenix connector] 1x FW [Micro USB, Update port]	Inputs: 1x HDMI IN [Type A, 19-pin female] 1x HDBaseT IN [RJ45, 8-pin female] Outputs: 1x HDMI OUT [Type A, 19-pin female] 1x AUDIO OUT [Phoenix jack] Controls: 1x RS-232 [3-pin phoenix connector] 1x FW [Micro USB, Update port]

Mechanical

Housing	Metal Enclosure
Color	White
Dimensions (W x D x H)	Wall plate: 1.31in x 2.6in x 2.7in [33.3mm x 65.7mm x 68.7mm] Faceplate: 2.8in x 0.12in x 4.5in [69.9mm x 3mm x 114.3mm] Receiver: 7.9in x 4.0in x 0.87in [200mm x 102.8mm x 22mm]
Weight	Wall plate: 0.43 lbs [197g], Receiver: 1.1 lbs [517g]
Power Supply	POE (only from Receiver to Transmitter)
Power Consumption	Wall plate: 7.92W (Max), Receiver: 6W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products
5-YEAR WARRANTY
Essential Line Products
3-YEAR WARRANTY
Cables Products
LIFETIME WARRANTY

