



BG-EXH-70C4

4K UHD HDMI HDBASET EXTENDER WITH IR/ARC/
POC/RS-232 AND AUDIO EMBEDDING/DE-
EMBEDDING UP TO 230FT

Introducing the BG-EXH-70C4, the ultimate solution for extending your HDMI signals over a long distance of up to 70m / 230ft. This extender is a highly efficient device that converts your HDMI signal to standard HDBaseT and transmits it via single CAT5e/6 ethernet cable.

With a bandwidth of 18Gbps, the device is compliant with HDMI 2.0b and HDCP 2.2 standards. The video resolution that can be achieved using this extender is up to 4K2K@60Hz RGB/YCBCR 4:4:4, which ensures that you enjoy crystal clear images and vibrant colors.

The BG-EXH-70C4 also supports bi-directional IR and RS-232 control signal pass-through, which enables you to easily control signal source or display devices from a remote location. Additionally, the device supports ARC functionality, which makes it possible to transmit audio signals from your TV back to your home theater system without the need for an extra cable.



FEATURES



AUDIO EMBEDDING

Embed audio through S/PDIF optical



BI-DIRECTIONAL IR

Control devices via IR either from the receiver or transmitter



COMPLIANT

HDMI 2.0b and HDCP 2.2 supported to ensure content protection



LONG RANGE

Send a 4K signal up to 230ft (70m)



STUNNING IMAGE QUALITY

Crystal clear images at 4K 60Hz 4:4:4



POWER OVER CABLE

Power only needs to be supplied to the either transmitter or receiver allowing for easier installation



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz RGB/YCBCR 4:4:4
IR Level	5Vp-p
IR Frequency	Wideband 20K-60KHz
Transmission Distance	70m via a single CAT5e/6 cable
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit (1080P) 8-bit (4K60) 8-bit, 10-bit, 12-bit (4K24/30)
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	HDR, HDR10, HDR10+, Dolby Vision, HLG
CEC	HDMI: LPCM 7.1CH, Dolby True HD, and DTS-HD Master Optical: Dolby 5.1, DTS 5.1, PCM 2.0

Connection

Transmitter	Input: 1× HDMI IN [Type A, 19-pin female] Output: 1× HDBT OUT [RJ45] / 1×SPDIF OUT Control: 1× RS-232 [3pin-3.81mm Phoenix connector] 1× SERVICE [Micro-USB jack] 1× IR IN [3.5mm Stereo Mini-jack] 1× IR OUT [3.5mm Stereo Mini-jack]
Receiver	Input: 1× HDBT IN [RJ45] / 1×SPDIF IN Output: 1× HDMI OUT [Type A, 19-pin female] Control: 1× RS-232 [3pin-3.81mm Phoenix connector] 1× SERVICE [Micro-USB jack] 1× IR IN [3.5mm Stereo Mini-jack] 1× IR OUT [3.5mm Stereo Mini-jack]

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](https://www.bzbgear.com/warranty).
For questions, please call 1.888.499.9906 or email support@bzbgear.com.

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3-YEAR WARRANTY
Cables Products
LIFETIME WARRANTY





Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (W x D x H)	Transmitter / Receiver: 5.5in (W) x 2.6in (D) x 0.7in (H) [140mm (W) x 65mm (D) x 18mm (H)]
Weight	Transmitter: 0.52 lbs [235 g], Receiver: 0.53 lbs [239 g]
Power Supply	DC 24V/1A; Supports bi-directional Power over Cable (PoC) functionality
Power Consumption	9.6 W (max)
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C
Storage Temperature	-4°F ~ 140°F / -20°C ~ 60°C
Relative Humidity	20~90% RH (non-condensing)



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