



BG-8K-AA

8K60 HDMI 2.1 EARC AUDIO TO AMPLIFIER CONVERTER

The BG-8K-AA 48Gbps HDMI Audio De-embedder is a cutting-edge solution engineered to extract high-fidelity audio from HDMI sources or ARC/eARC-enabled TVs without compromising video quality. With support for the latest HDMI 2.1 and HDCP 2.3 standards, it handles ultra-high-definition resolutions up to 8K@60Hz and 4K@120Hz, while also offering advanced features such as Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), and multiple HDR formats.

Capable of delivering immersive audio formats like Dolby Atmos and DTS, this device provides direct audio extraction via ARC/eARC for seamless integration with amplifiers. Compact yet powerful, the BG-8K-AA is designed for superior performance in both home theaters and professional AV environments.



FEATURES



HDCP 2.3 COMPLIANT

Ensures secure and reliable content protection



8K AND 4K120 SUPPORT

Delivers stunning video resolutions up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) for exceptional visual clarity



IMMERSIVE AUDIO

LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through



AUDIO DE-EMBEDDING

HDMI input audio or TV ARC/eARC audio de-embedded to HDMI audio output



CEC SUPPORT

Enables intuitive control from TV to source and AMP, including volume adjustments for a seamless audio experience



COMPACT DESIGN

Facilitates easy and flexible installation in various setups



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12bit
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X eARC AUDIO OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	1 × Source IN [HDMI Type A, 19-pin female]
Output	1 × TV(eARC) OUT [HDMI Type A, 19-pin female] 1 × Amp AUDIO OUT [HDMI Type A, 19-pin female]
Control	1 × SERVICE [USB Type C, Update port]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	3.7in x 2.7in x 0.71in [95mm x 68mm x 18mm]
Weight	0.39 lbs [178g]
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption	4.5W (Max)
Operating Temperature	32° - 104°F / 0° - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Recommended HDMI Cable	8K60	4K60	4K30
HDMI Cable Length (HDMI in / out)	2m/6.6ft ~ 3m/10ft (Ultra HDMI 2.1)	5m/16ft	10m/33ft

The use of "Premium High Speed HDMI" cables is highly recommended.

Industry-Leading Warranty & Support

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years. We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

