



## BG-8K-SA

### 8K60 HDMI 2.1 eARC AUDIO TO SOUNDBAR ADAPTER

The BG-8K-SA HDMI eARC Audio to Soundbar Adapter is a high-performance solution designed to extract audio signals from HDMI sources or TVs with ARC/eARC functionality and seamlessly output them to a soundbar. Supporting data rates up to 48Gbps and fully compliant with HDMI 2.1 and HDCP 2.3 standards, this adapter ensures outstanding audio and video quality, making it a perfect addition to modern home theater systems.

It handles video resolutions up to 8K@60Hz 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit, delivering stunning visuals with support for high dynamic range (HDR) formats like HDR10, HDR10+, Dolby Vision, and HLG. Additionally, the adapter supports advanced HDMI 2.1 features, such as Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS), Quick Frame Transport (QFT), and Source-Based Tone Mapping (SBTM), ensuring smooth and responsive video playback.



## FEATURES



### HDMI 2.1 AND HDCP 2.3 COMPLIANT

Guarantees support for the latest HDMI standards and secure content transmission



### ULTRA-HIGH RESOLUTIONS

Supports up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) for superior visual quality



### HIGH-FIDELITY AUDIO

LPCM 7.1CH, Dolby TrueHD, Atmos, DTS-HD Master, and DTS audio pass-through for immersive sound



### VERSATILE AUDIO DE-EMBEDDING

Extracts HDMI input or TV eARC audio for output to any soundbar, supporting full audio formats including Dolby Atmos/DTS



### eARC COMPATIBILITY

Delivers full audio output, including Dolby Atmos and DTS, from eARC TVs to SONOS ARC & Beam or any eARC-enabled soundbar



### CEC CONTROL

Enables seamless CEC control from TV to source and soundbar, including volume adjustments



# 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 12-bit, 4K@120Hz 4:4:4 12-bit
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12-bit
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 × Soundbar eARC 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/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	4.13W (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	1080P
HDMI Cable Length (HDMI in / out)	2m/6.6ft ~ 3m/10ft (Ultra HDMI 2.1)	5m/16ft	10m/33ft	15m/49ft

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

## 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](http://bzbgear.com/warranty).  
For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

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**3-YEAR WARRANTY**

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