



BG-AIR4KAST-PRO

4K60 UHD WIRELESS HDMI SENDER/RECEIVER
EXTENDER KIT WITH ULTRA-LOW LATENCY

The BG-Air4Kast-Pro 4K60 Wireless HDMI Transmitter and Receiver System delivers professional-grade wireless video and audio transmission with virtually zero latency. Designed for high-performance environments, it supports 4K60 HDR10 video, 7.1-channel audio, and Dolby Atmos/DTS passthrough, providing a visually lossless and immersive audiovisual experience without the constraints of cables. With intelligent auto-pairing, USB KVM functionality, and IR control, the BG-Air4Kast-Pro makes extending HDMI signals across rooms seamless and reliable.

Perfect for business presentations, home theaters, healthcare facilities, or gaming setups, the system ensures stable, secure wireless operation even in crowded Wi-Fi environments. Its compact design, simple installation, and professional-grade features make it a versatile solution for both residential and commercial applications.



FEATURES



ULTRAHD 4K60 RESOLUTION

Smooth, high-detail 4K60p video for a visually immersive experience



HDR10 SUPPORT

Enhanced color, contrast, and dynamic range for stunning visuals



REAL-TIME LOW-LATENCY TRANSMISSION

End-to-end latency as low as 16ms, visually lossless



7.1-CHANNEL AUDIO & DOLBY ATMOS/DTS

Wireless audio passthrough for multi-channel high-fidelity sound



USB KVM EXTENSION

Full keyboard and mouse control over the wireless link



IR REMOTE CONTROL EXTENSION

Operate HDMI sources from another room using standard IR remotes



TECH SPECIFICATIONS. TRANSMITTER

HDMI Input Version	HDMI 2.0
HDCP Version	HDCP 2.2
Supported Input Resolutions	2160p60, 2160p30, 2160x1200/90fps, 2880x1600/90fps, 1080p120, 1080p60, 1080p30, 1080p24, 1080i50/60, 720p30/60, 480p60
HDMI Loop-Out	Up to 4K60
Wireless Transmission Resolution	Up to 4K60
HDR Support	HDR10 (10-bit)
Audio Support	Up to 7.1-channel audio
Dolby Atmos / DTS Passthrough	Supports wireless passthrough to compatible TVs/receivers for decoding and playback
Latency	As low as 16ms at 60fps (typical 16–48ms depending on content complexity and Wi-Fi conditions)
Security	WPA2-AES128 encryption + proprietary coding and transmission algorithms
IR Extension	Supports 38 kHz – 56 kHz
USB KVM	Supports wireless keyboard/mouse control
Wireless Standard	IEEE 802.11a/b/g/n/ac, 5.8 GHz
Wi-Fi Frequency Range	5.150 GHz – 5.825 GHz
Supported Frequency Bands	5150-5350 MHz, 5470-5725 MHz, 5725-5850 MHz, 5850-5925 MHz (usage subject to regional regulation)
Wi-Fi Bandwidth	866 Mbps (5 GHz)
Video Bitrate	Up to 270 Mbps
Channel Width Support	20 MHz / 40 MHz / 80 MHz
RF Power Output	Up to 20 dBm
Antennas	2 x 5 dBi high-sensitivity antennas
Transmission Distance	Up to 100 meters (clear line-of-sight)
I/O Ports	HDMI In (2.0) x1, HDMI Out (2.0) x1, USB Type-C x1, IR In x1, IR Out x1, DC Power x1
Controls	Power Button
Indicators	2 x Status LEDs
Power Supply	12V / 1.5A
Power Consumption	10W

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
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Essential Line Products
3-YEAR WARRANTY
Cables Products
LIFETIME WARRANTY





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