

## BG-8K-88MA

8X8 8K UHD HDMI 2.1 MATRIX SWITCHER WITH  
AUTO DOWNSCALING/AUDIO DE-EMBEDDER  
(8K60/4K120 AND VRR/FVA/ALLM SUPPORT)

With eight HDMI 2.1a inputs and eight HDMI 2.1a outputs, the BG-8K-88MA 8K HDMI matrix switch allows users to share up to eight HDMI sources with up to eight displays. Perfect for when you need to change multiple sources to show on various displays or even select just one source to show on all displays with the press of a button. Professional-grade picture and audio quality are achieved with support for 8K resolutions and various high-quality audio formats.

For gamers, the ability to display high-resolution graphics at high frame rates is crucial for a smooth and immersive gaming experience. With support for 4K resolution at 120Hz, the BG-8K-88MA can help ensure that your games are displayed with the highest level of detail and fluidity. This is particularly important for fast-paced games where a high frame rate can make a significant difference in your ability to react to in-game events. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.



## FEATURES



### 8X8 ROUTING

Features 8 x HDMI inputs which can be independently routed to 8 x HDMI outputs



### HDCP COMPLIANT

HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)



### 8K AND 4K@120HZ

Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4 8K to 4K or 8K/4K to 1080p



### AUTO SCALING

Down Scaling on all outputs



### CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



### EDID MANAGEMENT

Seamless scaling for the best results



## TECH SPECIFICATIONS

### Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	1200MHz/48Gbps
Video Resolution	Up to 8K60Hz 4:2:0, 8K30 Hz 4:4:4 and 4K120 4:4:4
Color Space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color Depth	8/10/12-bit
HDR Formats	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	<b>HDMI In/Out:</b> LPCM 2.0, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS High Res, DTS-HD Master Audio, DSD <b>Optical Outputs:</b> LPCM 2.0, Dolby, DTS 5.1 <b>Balanced Analog Audio Outputs:</b> LPCM 2.0
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

### Connection

Input ports	8 × HDMI [Type A, 19-pin female]
Output ports	8 × HDMI [Type A, 19-pin female] 8 × S/PDIF Optical 8 × Balanced Stereo Audio [3.81mm, 5-pin Phoenix Connector]
Control ports	1 × TCP/IP [RJ45] 1 × RS-232 [D-Sub 9] 1 × IR EXT [3.5mm, Stereo Mini-jack]

### Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	17in (W) × 8in (D) × 1.8in (H) [440mm (W) × 203mm (D) × 44.5mm (H)]
Weight	5.9 lbs [2.67kg]
Power Supply	Input: AC 100 - 240V 50/60Hz, Output: DC 24V/3.75A (US/EU standard, CE/FCC/UL certified)
Power Consumption	45W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20~90% RH (non-condensing)

## 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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