BG-4K-88MA

8X8 4K UHD HDMI 2.0 MATRIX SWITCHER WITH AUDIO DE-EMBEDDING AND INDEPENDENT ROUTING (4K60 - 4:4:4 AND HDR SUPPORT)

With eight HDMI 2.0 inputs and eight HDMI 2.0 outputs, the BG-4K-88MA 4K 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. Audio can also be independently routed. Professional-grade picture and audio quality are achieved with support for 4K resolutions and various high-quality audio formats.

The BG-4K-88MA supports high resolutions up to 4K@60Hz 4:4:4 with HDR. With 18 Gbps of uncompressed bandwidth, HDMI signals are routed with no loss of quality. All HDMI ports on this matrix are HDCP 2.2 compliant. This device is also equipped with auto-downscaling on all outputs, ensuring compatibility with legacy displays. Additionally, the BG-4K-88MA supports Digital S/PDIF and Balanced audio output formats.

FEATURES

HDCP COMPLIANT
HDMI 2.0 (18Gbps) HDCP 2.2 (and all earlier versions supported)

4K RESOLUTION
Up to 4K@60Hz 4:4:4 HDR support

AUDIO MATRIXING
The audio can be independently routed

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

EDID MANAGEMENT
Seamless scaling for the best results

HDR SUPPORT
HDR, HDR10, Dolby Vision pass-through

TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K60Hz 4:4:4 640x480p60Hz, 800x600p60Hz, 1024x768p60Hz, 1280x1024p60Hz, 1360x768p60Hz, 1440x900p60Hz, 1440x1050p60Hz, 1600x1200p60Hz, 720x480i59.94Hz(480i59), 720x480p59.94Hz(480p59), 720x576i50Hz(576i50), 720x576p50Hz(576p50), 1280x720p50Hz(720p50), 1280x720p59.94Hz(720p59), 1280x720p60Hz(720p60), 1920x1080i50Hz(1080i50), 1920x1080i59.94Hz(1080i59), 1920x1080i60Hz(1080i60), 1920x1080p23.98Hz(1080p23), 1920x1080p24Hz(1080p24), 1920x1080p25Hz(1080p25), 1920x1080p29.97Hz(1080p29), 1920x1080p30Hz(1080p30), 1920x1080p50Hz(1080p50), 1920x1080p59.94Hz(1080p59), 1920x1080p60Hz(1080p60), 3840x2160p23.98Hz(2160p23), 3840x2160p24Hz(2160p24), 3840x2160p25Hz(2160p25), 3840x2160p29.97Hz(2160p29), 3840x2160p30Hz(2160p30), 3840x2160p50Hz(2160p50), 3840x2160p59.94Hz(2160p59), 3840x2160p60Hz(2160p60), 4096x2160p23.98Hz, 4096x2160p24Hz, 4096x2160p25Hz, 4096x2160p29.97Hz, 4096x2160p30Hz, 4096x2160p50Hz, 4096x2160p59.94Hz, 4096x2160p60Hz
Color Space	RGB, 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 LLM, HLG
Audio Formats	**HDMI IN/OUT:** LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD **AUDIO BREAKOUT:** Optical outputs: Up to LPCM/Dolby/DTS 5.1CH Analog Audio Outputs: LPCM 2CH (sample rate 32~192kHz)
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Recommended HDMI Cable	4K60	4K24	1080P
HDMI Cable Length (HDMI in / out)	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.**
For questions, please call **1.888.499.9906** or email **support@bzbgear.com.**

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Sacramento, CA 95834

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TECH SPECIFICATIONS

Connection

Input	8x INPUT [HDMI Type A, 19-pin female]
Output	8x OUTPUT [HDMI Type A, 19-pin female] 8x OPTICAL AUDIO OUT 8x L/R AUDIO OUT [5-pin phoenix connector]
Control	1x TCP/IP [RJ45] 1x RS-232 [D-Sub9] 1x IR EXT [3.5mm audio jack]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	17in x 8.1in x 1.8in [440mm x 206mm x 44.5mm]
Weight	5.25 lbs [2.38kg]
Power Supply	**Input:** AC 100 - 240V 50/60Hz, **Output:** DC 24V/3.75A (US/EU standard, CE/FCC/UL certified)
Power Consumption	**Full Load:** 52.3W; **Stand-by:** 2.6W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relative humidity, non-condensing

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