

# BZBGEAR BG-UM44-100M-KIT 4x4 4K UHD HDMI/HDBaseT/Audio Matrix Switcher with 2-Way IR/ARC/Ethernet/IP and RS-232 Control

<b>Technical</b>			
HDCP Compliance	HDCP 2.2 and HDCP 1.4		
Video Bandwidth	18Gbps		
Video Resolution	Up to 4K2K @ 50/60Hz (4:4:4)		
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0		
Color Depth	12-bit (4K), 16-bit (1080P)		
HDMI Audio Formats (Pass-through)	PCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD		
Coax Audio Formats	PCM 2.0, Dolby Digital / Plus, DTS		
L/R Audio Formats	PCM 2.0		
HDR formats	4:4:4, 4:2:2, 4:2:0 (10,12bit deep color) HDR10, HDR10+, Dolby Vision, HLG		
Infrared	20KHz ~ 60KHz		
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)		
<b>Connection</b>			
Matrix			
Input Ports	4xINPUT [HDMI Type A, 19-pin female] 6xIR INPUT [3.5mm Stereo Mini-jack] 2xStereo Audio [3.5mm Stereo Mini-jack B] 1xSPDIF(OPTICAL) 1xSPDIF(COAX)		
Output Ports	4xHDMI OUTPUT [HDMI Type A, 19-pin female] 4xHDBaseT port [RJ45] 5xIR OUTPUT [3.5mm Stereo Mini-jack] 4xRS-232 [3-pin Phoenix connector] 4xSPDIF(COAX) 4xStereo Audio[3.5mm Stereo Mini-jack] 1xLAN [RJ45]		
Control Ports	1xTCP/IP [RJ45] 1xRS-232 [D-Sub 9]		
HDBaseT Receiver			
Input Ports	1xHDBaseT IN [ RJ45] 1xIR IN [3.5mm Stereo Mini-jack]		
Output Ports	1xHDMI OUT [HDMI Type A, 19-pin female] 1xIR OUT [3.5mm Stereo Mini-jack]		
Control Ports	1xSERVICE [Micro USB, Update port] 1xRS-232 [Phoenix jack] 2xLAN [RJ45]		
<b>Mechanical</b>			
Housing	Metal Enclosure		
Color	Black		
Dimensions	TX: 17.3" (W) x 10.7" (D) x 1.8" (H) [440mm (W) x 274mm (D) x 45mm (H)] RX: 6.4" (W) x 3.6" (D) x 0.7" (H) [ 163mm (W) x 90.3mm (D) x 18mm (H)]		
Weight	TX: 8.8 lbs [4.0Kg], RX: 0.86 lbs [392g]		
Power Supply	AC 100 - 240V 50/60Hz		
Power Consumption	70W (Max)		
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C		
Storage Temperature	-4°F ~ 140°F / -20°C ~ 60°C		
Relative Humidity	20~90% RH (non-condensing)		
<b>Resolution / Distance</b>	<b>4K60 - Feet / Meters</b>		
CAT5e/6/7	328ft / 100M		
<b>Resolution / Cable length</b>	<b>4K60 - Feet / Meters</b>	<b>4K30 - Feet / Meters</b>	<b>1080P60 - Feet / Meters</b>

HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M
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The use of "Premium High Speed HDMI" cable is highly recommended.