

BG-DA-18

4K UHD 18Gbps 1x8 Ultra Slim HDMI Splitter

User Manual







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Statement

Please read these instructions carefully before connecting, operating, or configuring this product. Please save this manual for future reference.

Safety Precaution

- To prevent damaging this product, avoid heavy pressure, strong vibration, or immersion during transportation, storage, and installation.
- The housing of this product is made of organic materials. Do not expose to any liquid, gas, or solids which may corrode the shell.
- Do not expose the product to rain or moisture.
- Unplug this device during lightning storms
- Clean only with a soft dry microfiber cloth.
- To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- Do not use the product beyond the specified temperature, humidity, or power supply specifications.
- This product does not contain parts that can be maintained or repaired by users. Damage caused by dismantling the product without authorization from BZBGear is not covered under the warranty policy.
- Installation and use of this product must strictly comply with local electrical safety standards.
- Only use accessories specified by the manufacture
- Product specifications may be subject to technical upgrades without further notice
- Do not hot plug when it is working.



Introduction

The BG-DA-18 is a compact HDMI splitter that allows you to distribute an HDMI signal to eight outputs. With support for the latest HDMI 2.0 specifications, including HDR, you can enjoy vivid visuals with 4K UHD resolution at 60Hz and 4:4:4 color depth. Additionally, the splitter supports all HDMI audio formats, such as Dolby TrueHD, Atmos, and DTS-HD Master Audio, for exceptional sound quality. With advanced EDID management and HDCP 2.2 compliance, you can expect seamless compatibility with your devices. Ideal for use in home theaters, lecture rooms, presentation halls, showrooms, demo rooms, and public commercial displays.

Features

- 1x HDMI input and 8x HDMI outputs
- HDMI 2.0 18Gbps specification including HDR
- Up to 4K UHD 60Hz 4:4:4
- All industry standard video resolutions including VGA-WUXGA and 480i-4K
- All known HDMI audio formats including Dolby TrueHD, Atmos and DTS-HD Master Audio transmission
- Advanced EDID management
- HDCP 2.2 compliant.

Package Contents

- 1 x BG-DA-18
- 1 x User Manual
- 1 x Power Supply (12V DC 2A)
- 1 x Mounting Kit



Specifications

Technical Specifications	
Bandwidth	300MHz/6Gbps per Color
Video Input Connectors	1x HDMI Type A, 19-pin, female
Video Output Connectors	8x HDMI Type A, 19-pin, female
Supported Resolutions	Up to 4K@50/60Hz 4:4:4, Full 3D Pass-through
Suggested Cable Lengths	5m for 1080p@60Hz, 3m for 4K@60Hz 4:4:4
Mechanical Specifications	
Dimensions (W x D x H)	273mm (W) x 109mm (D) x 13mm (H)
Weight	705g
Operating Temperature	0°C~40°C/32°F~104°F
Storage Temperature	-20°C~60°C/-4°F~140°F
Relative Humidity	20~90% RH (non-condensing)
Chassis Material	Aluminum
Color	Black
Power Supply	12V/2A DC
ESD Protection	Human body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)

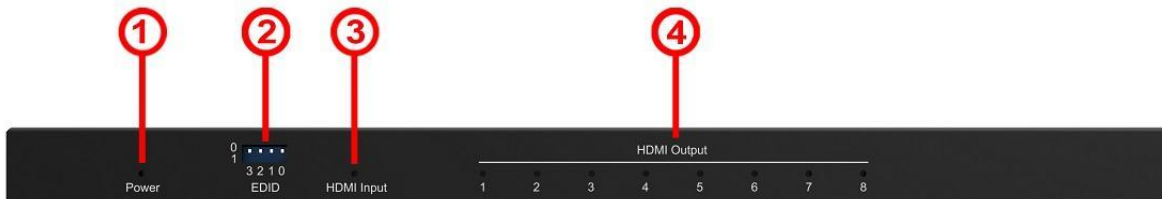


Application Example

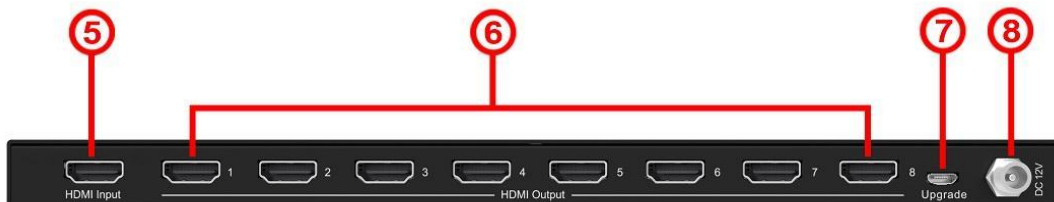


Panel Descriptions

Front Panel



Rear Panel



No.	Name	Function Description
1	Power LED Indicator	Illuminates when the unit is powered on.
2	EDID Dip Switch	Manage the EDID settings of the unit (see EDID Dip Switch Settings for more information).
3	Input LED Indicator	Illuminated when an HDMI input signal is detected.
4	Output LED Indicators	The LED illuminates when the corresponding output detects a connected HDMI display.
5	HDMI Input	Connect to a signal source such as a Blu-ray player or set-top-box.
6	HDMI Output 1-8	Connect to an HDMI display device such as a TV or projector.
7	F/W Upgrade Port	Connect a micro USB cable to upgrade the device firmware.
8	DC 12V	Locking power supply, connect to the provided power adapter.



EDID Dip Switch Settings

EDID DIP Switch	Setting Description
0000	HDMI 1080p@60, Audio 2CH PCM
0001	HDMI 1080p@60Hz, Audio 5.1CH PCM/DTS/DOLBY
0010	HDMI 1080p@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
0011	HDMI 1080i@60Hz, Audio 2CH PCM
0100	HDMI 1080i@60Hz, Audio 5.1CH PCM/DTS/DOLBY
0101	HDMI 1080i@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
0110	HDMI 4K@60Hz 4:2:0, Audio 2CH PCM
0111	HDMI 4K@60Hz 4:2:0, Audio 5.1CH PCM/DTS/DOLBY
1000	HDMI 4K@60Hz 4:2:0, Audio 7.1CH PCM/DTS/DOLBY/HD
1001	HDMI 4K@60Hz 4:4:4, Audio 2CH PCM
1010	HDMI 4K@60Hz 4:4:4, Audio 5.1CH PCM/DTS/DOLBY
1011	HDMI 4K@60Hz 4:4:4, Audio 7.1CH PCM/DTS/DOLBY/HD
1100	DVI 1280x1024@60Hz, Audio None
1101	DVI 1920x1080@60Hz, Audio None
1110	DVI 1920x1200@60Hz, Audio None
1111	Copy Output 1 EDID

(4 pins UP = 0, Down = 1)



Tech Support

Have technical questions? We may have answered them already!

Please visit BZBGear's support page (bzbgear.com/support) for helpful information and tips regarding our products. Here you will find our Knowledge Base (bzbgear.com/knowledge-base) with detailed tutorials, quick start guides, and step-by-step troubleshooting instructions. Or explore our YouTube channel, BZB TV (youtube.com/c/BZBTVchannel), for help setting up, configuring, and other helpful how-to videos about our gear.

Need more in-depth support? Connect with one of our technical specialists directly:

Phone

1.888.499.9906

Email

support@bzbgear.com

Live Chat

bzbgear.com



Warranty

BZBGear Pro AV products and cameras come with a three-year warranty. An extended two-year warranty is available for our cameras upon registration for a total of five years.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.



Mission Statement

BZBGear is a breakthrough manufacturer of high-quality, innovative audiovisual equipment ranging from AVoIP, professional broadcasting, conferencing, home theater, to live streaming solutions. We pride ourselves on unparalleled customer support and services. Our team offers system design consultation, and highly reviewed technical support for all the products in our catalog. BZBGear delivers quality products designed with users in mind.



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