



BG-UHD-VW2X2

**2x2 VIDEO WALL WITH
LOOP OUT**

Quick Installation Guide

INTRODUCTION:

2X2 4-port HDMI video wall processor with 4K@60 4:4:4: input support. Featuring 4 1080p HDMI video wall outputs. This unit can function as a dedicated 2x2 video wall at 4K resolution, or can be used at 1080p with rotation or different layouts. Layouts include 1x1, 1x2, 1x3, 1x4, 2x1, 2x2, 3x1, and 4x1. It features one RCA and one TOSLINK output for audio extraction. It can be controlled by IR Remote, front panel buttons, or RS232.

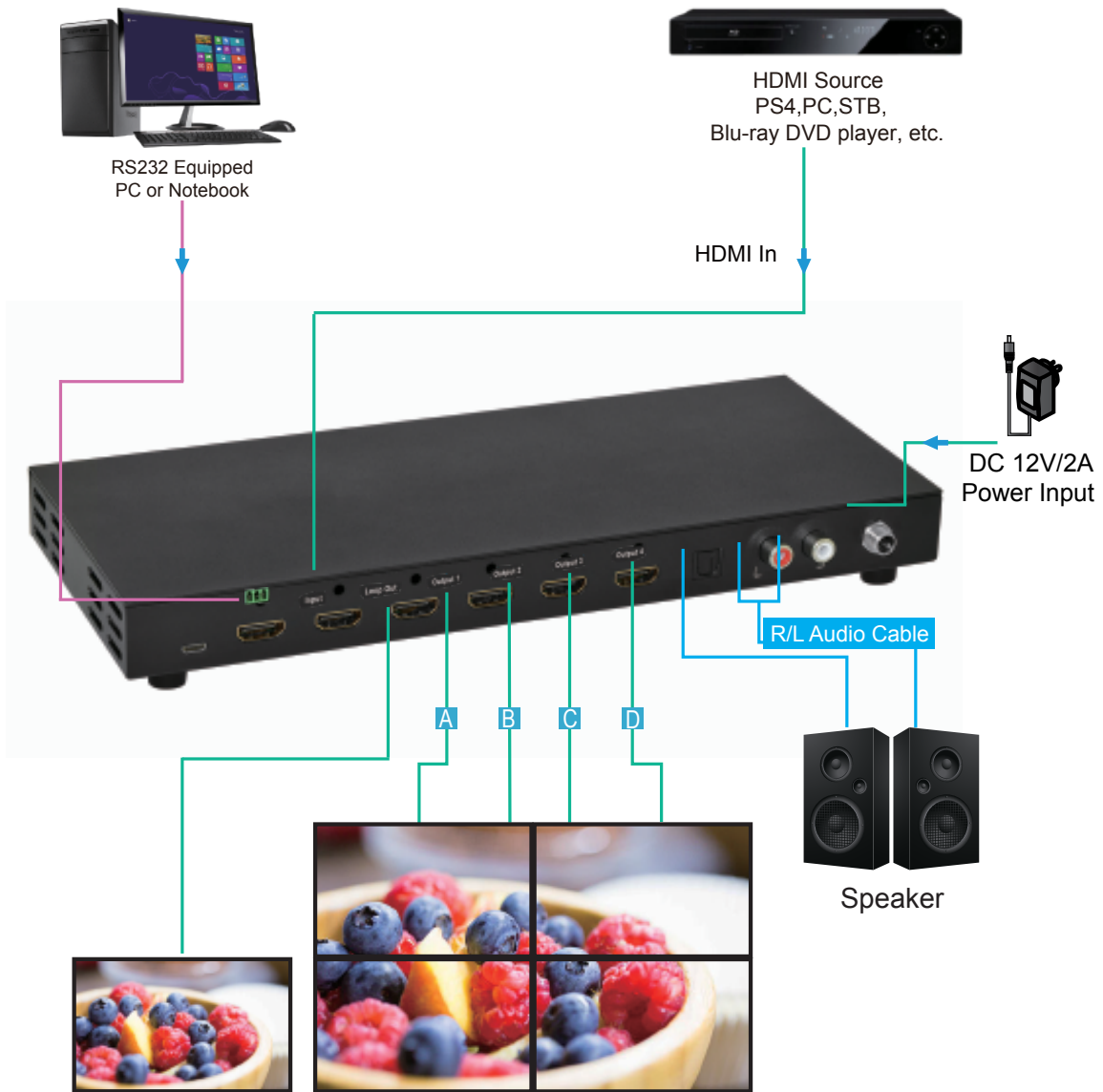
FEATURES:

- Compatible with HDCP
- Input resolution up to 4K@60Hz 4:4:4
- Support multiple Layout modes
- Support Edge Shielding function
- Support mirror function
- Supports AUX and Spdif audio output
- Controllable via front-panel buttons, IR and RS232 control
- Support HDMI Local loop out
- Metal housing
- Plug and play

PACKAGE CONTENTS:

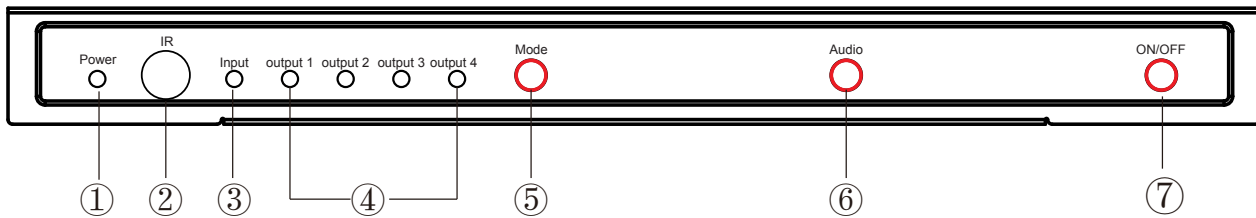
- 1x BG-UHD-VW2X2
- 1x DC Power Supply
- 1x Remote control
- 1x User Manual
- 1x Phoenix plugs for RS232 cable termination

CONNECTION DIAGRAM:



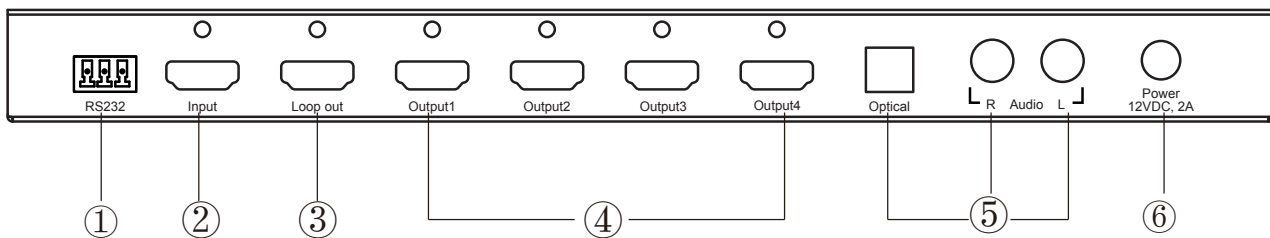
PRODUCT OVERVIEW:

Front Panel:



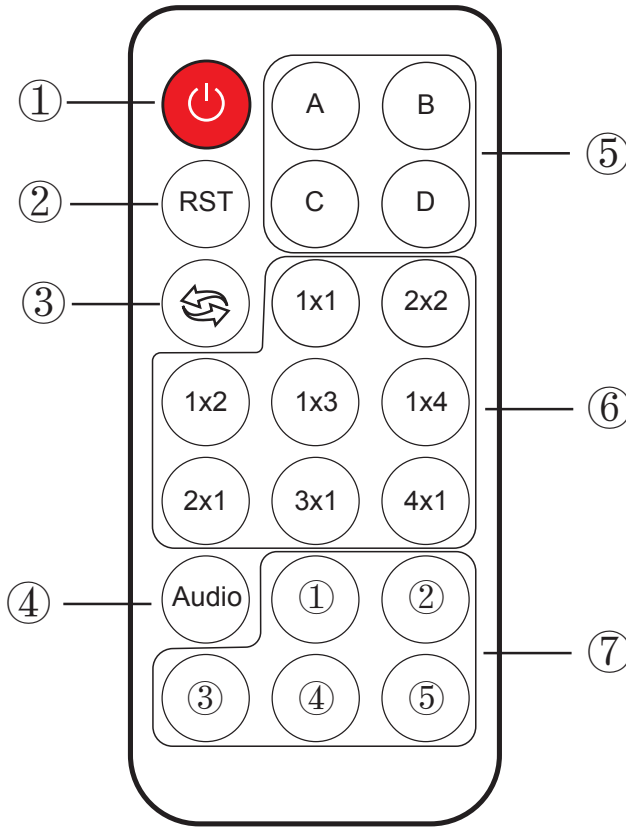
- ① Power LED indicator: The LED will illuminate when the power is turned on
- ② Remote control sensor
- ③ HDMI input LED indicator
- ④ HDMI output LED indicator
- ⑤ Mode switch: Press the “Mode” button to switch the Layout mode
- ⑥ Audio switch: Press the “Audio” button to switch the audio output from L\R or Optical
- ⑦ ON/OFF: Power ON/OFF button

Back Panel:



- ① RS232 control Port
- ② HDMI input: Connect to the HDMI output of your source equipment such as DVD player or PC
- ③ HDMI loopout: Connect to the monitor to display full signal of the signal source
- ④ HDMI output 1~4: Connect to the monitor to display split signal of the signal source
- ⑤ AUX and TOSLINK audio output: Connect to the amplifier
- ⑥ Power: Connect to the 12V DC

REMOTE CONTROL:



- ① ON\OFF: Power ON\OFF.
- ② RST: Restore Factory Defaults.
- ③ Change the Output port order.
- ④ Audio: Switch the audio output from L\R or Optical.
- ⑤ Mirror mode: Enable\Disable Mirror mode (Rotation 180°).
Note: Used in 2x2 mode only.
- ⑥ Layout mode: Switch between different layout modes.
- ⑦ Edge Shielding level: Switch between different Edge Shielding levels (higher the level, the more pixels are shielded from the edge).
Note: Used in 2x2 mode only.

OUTPUT MODE:

1x1	A A A A
1x2(H)	A1 A2 A1 A2
1x3(H)	A1 A2 A3 A
1x4(H)	A1 A2 A3 A4
2x1(V)	A1 A1 A2 A2
3x1(V)	A1 A A2 A3
4x1(V)	A1 A2 A3 A4
2x2	A1 A2 A3 A4

SPECIFICATIONS:

Video and Audio	
HDMI resolution	Input: Up to 4k@60Hz 4:4:4 Loop Out: Up to 4k@60Hz 4:4:4 Video wall Output: Up to 1080p@60Hz
HDMI version	HDMI2.0, HDCP2.2
Support video color format	36-bit Deep Color all channels maximum
Audio output	HDMI: PCM 2CH Toslink: PCM 2CH L/R: Stereo audio
Max bandwidth per channel	600MHz
Max baud rate per display	18Gbps (Input)
Input/Output TMDS signal	0.5~1.5V p-p(TTL)
Input/Output DDC signal	5V p-p(TTL)
Input cable distance	≤16ft/ 5m 24 AWG HDMI high speed Cable at 1080P@ 60Hz
Output cable distance	≤50ft/15m 24 AWG HDMI high speed Cable at 1080P@ 60Hz
Environmental	
Operating Temperature range	5°F to 131°F / -15°C to 55°C
Operating Humidity range	5% to 90% RH(No Condensation)
Power Requirement	
Max working current	1A
External Power Supply	DC12V/2A

WARRANTY:

BZBGEAR wants to assure you peace of mind. We're so confident in the quality of our products that along with the manufacturer's one-year limited warranty, we are offering free second-year warranty coverage upon registration*!

Taking advantage of this program is simple, just follow the steps below:

1. Register your product within 90 days of purchase by visiting BZBGEAR.com/warranty.
2. Complete the registration form. Provide all necessary proof of purchase details, including serial number and a copy of your sales receipt.

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

For complete warranty information, please visit BZBGEAR.com/warranty or scan the QR code below.



*Terms and conditions apply. Registration is required.

MISSION STATEMENT:

BZBGEAR manifests from the competitive nature of the audiovisual industry to innovate while keeping the customer in mind. AV solutions can cost a pretty penny, and new technology only adds to it. We believe everyone deserves to see, hear, and feel the advancements made in today's AV world without having to break the bank. BZBGEAR is the solution for small to medium-sized applications requiring the latest professional products in AV.

We live in a DIY era where resources are abundant on the internet. With that in mind, our team offers system design consultation and expert tech support seven days a week for the products in our BZBGEAR catalog. You'll notice comparably lower prices with BZBGEAR solutions, but the quality of the products is on par with the top brands in the industry. The unparalleled support from our team is our way of showing we care for every one of our customers. Whether you're an integrator, home theater enthusiast, or a do-it-yourselfer, BZBGEAR offers the solutions to allow you to focus on your project and not your budget.