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BZBGEAR BG-MV41A HDMI 4×1 Quad Multi-Viewer with Seamless Switcher Installation Guide

**BG-MV41A
HDMI 4X1 QUAD MULTI-VIEWER
WITH SEAMLESS SWITCHER
Quick Installation Guide**

Contents

INTRODUCTION:

This HDMI 4X1 Switch is a high-performance 4 by 1 Quad Multi-Viewer with a seamless switcher. It supports four HDMI input sources to be displayed on one screen with five multiview modes. As a switcher, it can also seamlessly switch the four HDMI inputs freely. The product can be controlled in various ways: through the front panel button, IR, RS232 control.

FEATURES:

- Compliant with HDMI 1.3a, HDCP 1.2
- Supports multiplexed HDMI 4-input and 1-output

- Supports up to 1080p60 High Definition resolution
- Support 4 by 1 Quad Multi-viewer and seamless switch (with the same resolution)
- Support button, IR control, RS232 control
- Support scaler up, scaler down function
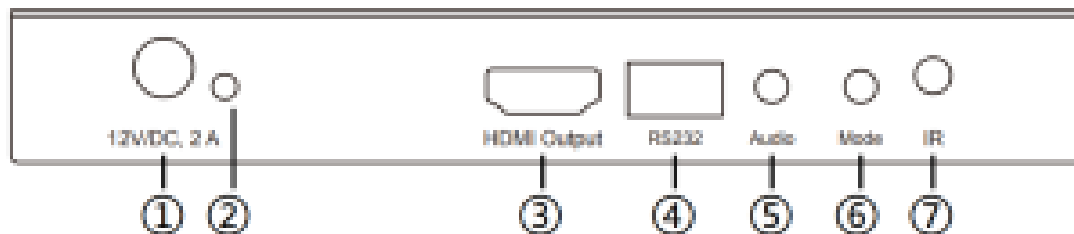- Support multi-output resolution

APPLICATION:

- Video Switcher
- Surveillance for multi-camera
- Car quad monitor
- Video format converter
- Multimedia panel

PACKAGE CONTENTS:

- 1× Main unit
- 1× 12V/DC, 2A Power Supply
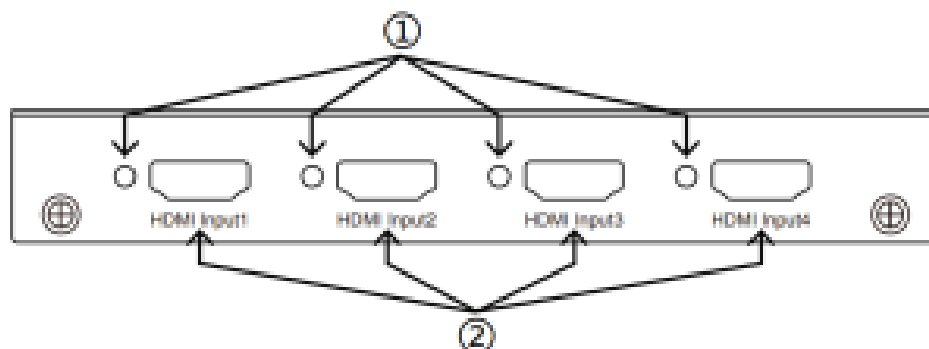- 1× User Manual
- 1× Remote control

PRODUCT OVERVIEW:
Front Panel

1. 12V/DC: Plug the 12V DC power supply into the unit and connect the adaptor to the AC wall outlet.
2. POWER LED: This blue LED illuminates when the device is connected with the power supply.
3. HDMI OUTPUT: The HDMI is where you connect the HDTV or monitor with an HDMI cable for input source display.
4. RS232: Connect the RS232 port to the PC or notebook by RS232 Cable.
5. Audio BUTTON: Press this button to select the audio from the input sources.
6. MODE BUTTON: Press this button to select the multi-view display mode.
7. IR: Remote control receiver window.

Back Panel:

1: IN1, 2, 3, 4 LED: These blue LED illuminates when the device is connected with the sources.

2: HDMI Input1, 2, 3, 4: These HDMI Inputs are where you connect the HDMI source output from DVD, PS3, Set-top Box, and Notebook.
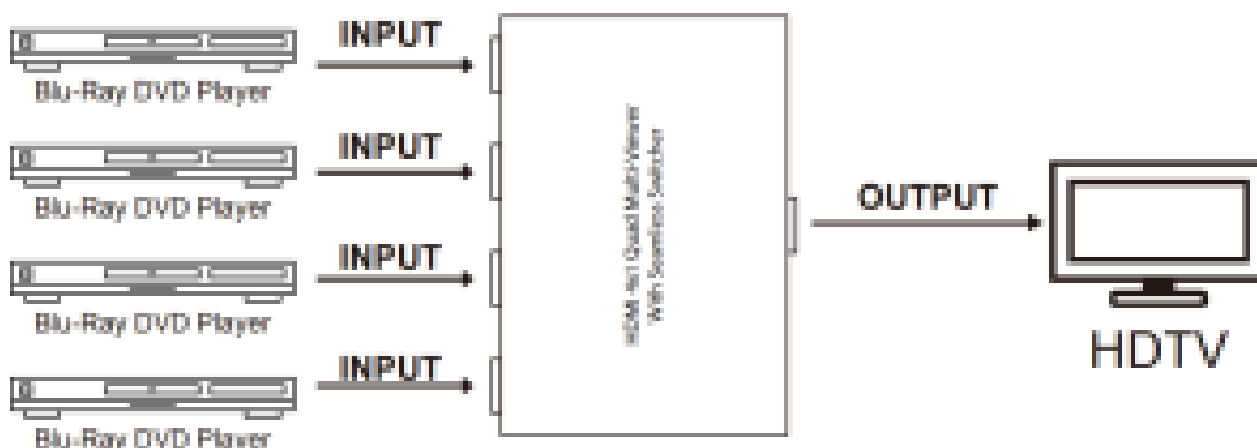
CONNECTION AND OPERATION:

1. Connect the signal sources such as Blu-Ray Player, game console, audio/video receiver, satellite receivers, and computers equipped with HDMI output interfaces with a short high-speed HDMI cable to the HDMI Switcher inputs.

2. Connect the HDMI output of the HDMI Switcher to a high-definition display device such as HD-LCD, HD-DLP, and HD projectors with HDMI input interfaces with an HDMI cable to HDMI Switcher output.
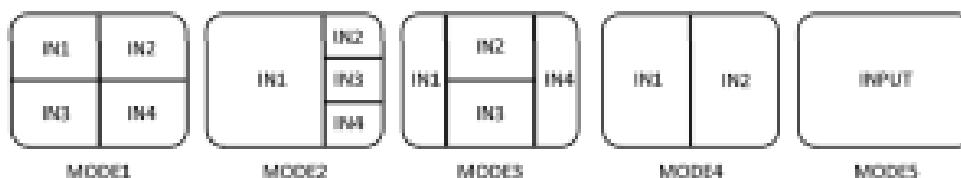
3. The Switcher is powered by an external power supply which is included. Connect power first to the source, then to the Switcher, and then to HDTV or projector.

4. The input source can be controlled from the display. The switcher has the capability of being controlled via Front push-button, Remote control or RS232 Control.

CONNECTION DIAGRAM:

DETAIL DESCRIPTION OF DISPLAY MODE：

The product provides 5 multi-viewer display modes as below Mode1 ~ 5.

MODE1: The four HDMI input sources are displayed in 2×2 on one screen.

MODE2: The four HDMI input sources are displayed with one bigger and three smaller windows on one screen.

MODE3: The four HDMI input sources are displayed H-spilt on one screen.

MODE4: The two HDMI input sources are displayed in 2×1 on one screen.

MODE5: This is the full-screen mode, press the IN1 ~ IN4 button will select the corresponding channel and display in the full screen as a seamless switcher.

REMOTE CONTROL:

ON/OFF: Power on/off switch. Mode select button (M1-M5, H,1/2,3/4, Ch1-Ch4,): Press these buttons, the quad multi-viewer will select the Corresponding mode; see the detailed description of display mode

Blank button: No function

Audio Select button(♪1- ♪4): Press these buttons to select the audio from the input sources

Mute button: Turn off Sound

H/S Resolution button:upscale 720P signal into 1080P or downscale 1080P signal into 720P.

PC CONTROLLER USER GUIDE:

Installation

The PC controller is green software. Just use a cable to connect the PC via RS232 port and copy "BG-MV41A Quad multi-viewer.exe" to PC to complete installation.

Preparation

1. Connect PC and multi-viewer by RS232 cable (headers of both sides of the cable should be FEMALE)
2. Power-up multi-viewer
3. Double click BG-MV41A Quad multi-viewer.exe icon to run it, then see the following picture.
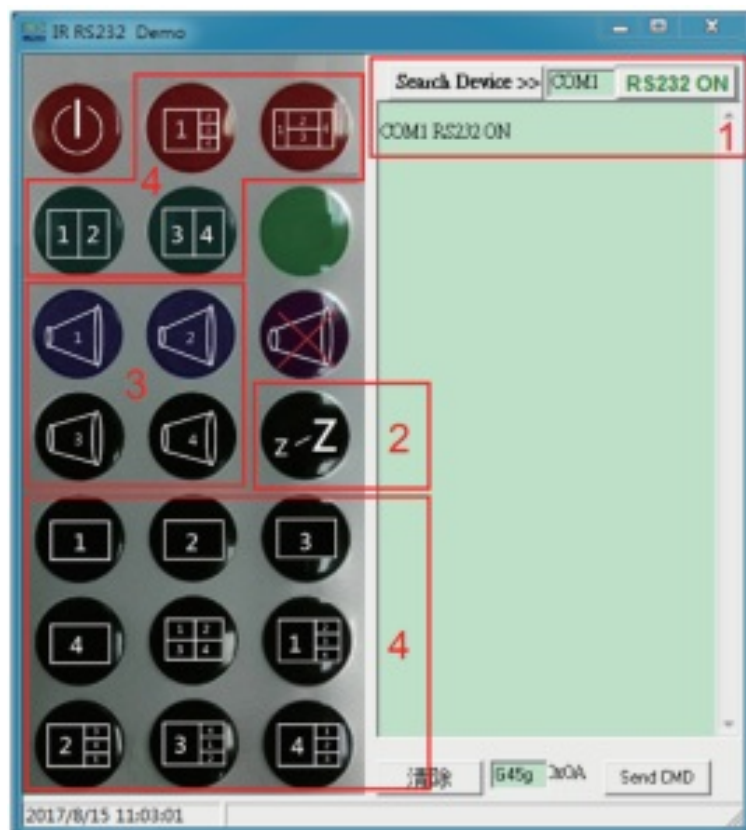

The unit provides a path to pass through the RS232 signal, connect to your RS232 devices, such as PC,IP Camera, Creston control panel, Smart Matrix, Printer and Scanner, and so on. It works when TX, RX, and your RS232 devices baud rate is the same.

1. Select PC to connect COM port to make sure your PC's COM port is the same as the software's COM port(default COM6). If not, please revise the COM port in the software. Then double click to connect or disconnect the PC and multi-viewer.
2. Select the HDMI output resolution.
3. Select the audio from the input sources
4. Select the output mode, see the detailed description of the display mode.

SPECIFICATIONS:

Signal Inputs/Output	
Maximum Single Link Range	1920×1080@60
HDMI Input/Output Connector	Type A 19 pin
Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	2.25Gbps
Resolutions	
Input Resolution	480160Hz,480p60Hz,576i50Hz,576p50Hz,720p50/60Hz, 1080i50/60Hz,1080p24/25/30/50/60Hz
Output Resolution	720p,1080p
Mechanical Data	
Dimensions	148.5mm(W) X 103mm (D) X 21.5mm(H)
Weight	342g
Chassis Material	Metal
Color	Black
Environmental	
Operating Temperature	0 C to +70 C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10 C to +80 C
Storage Humidity	5% to 90 % RH (no condensation)
Power Requirement	
External Power Supply	12V DC@2A
Power Consumption(max)	10 W
Regulatory Approvals	
Main Unit	FCC,CE
Power Supply	UL,CE,FCC, REACH, ROHS

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.
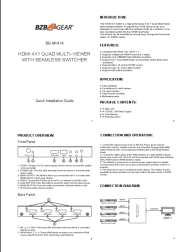
*Terms and conditions apply. Registration is required.

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 comparable 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 yourproject and not your budget.

Documents / Resources

BZBGEAR BG-MV41A HDMI 4x1 Quad Multi-Viewer with Seamless Switcher [pdf] Installation Guide
BG-MV41AH, DMI 4x1 Quad Multi-Viewer with Seamless Switcher

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