



# User Manual

## BG-PS-BYOD-4K

HDMI 2.0 3x1 Multi-format Presentation  
Switcher



All Rights Reserved

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## Statement

Thanks for choosing this product, please read this user manual carefully before using this product. The functions described in this version are updated till July, 2019. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

## Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

## After-sales Service

We provide limited warranty for the product within three years.

## Packing List

- 1x BG-PS-BYOD-4K
- 1x User Manual

**Note:** Please contact your distributor immediately if any damage or defect in the components is found.

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## Product Introduction

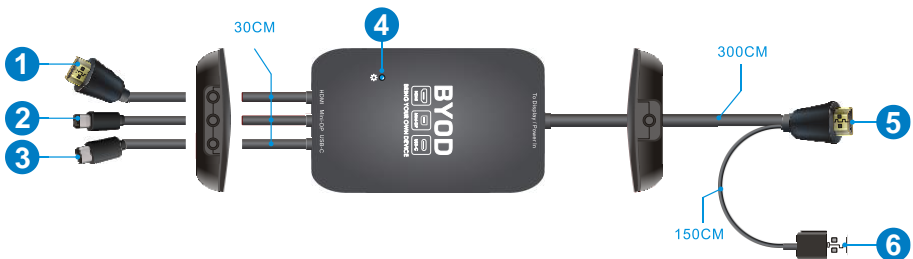
The BG-PS-BYOD-4K is an HDMI 2.0 3x1 Multi-format Presentation Switcher converting AV signal from HDMI, Mini DP and USB-C inputs to HDMI output.

The BG-PS-BYOD-4K is a green low energy consumption product which has a various application in different places, such as classroom, small meeting room, lecture hall, and etc.

## Features

- Supports HDMI, Mini DP and USB-C input signals to be converted to HDMI signals.
- Auto-detects the input signal, the last connected signal source will be switched to the output automatically.
- Starts to scan from HDMI to USB-C and switch the first detected source to output.
- Supports Mini DP and USB-C input video resolution up to 4K@60Hz 4:4:4.
- Supports HDMI input and output video resolutions up to 4K@60Hz 4:4:4 HDR and Dolby Vision.
- HDCP 2.2 compliant.
- Powered via USB-A from display end.
- LED for power indicating.

## Panel Description



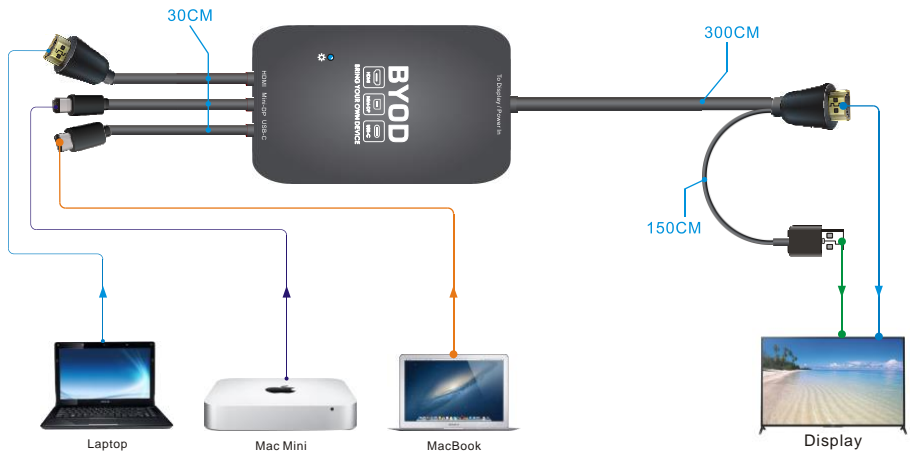
- ① Type-A HDMI input port to connect the device with HDMI output.
- ② Mini DP input port to connect Mac MINI or other devices with Mini DP output.
- ③ Type-C USB input port to connect MacBook, Chromebook or other devices with SlimPort output.
- ④ The power LED illuminates blue when power is applied and is off when no power

is present.

- ⑤ Type-A HDMI output port to connect display.
- ⑥ Type-A USB port to connect the display or other device to power the switcher.

## System Connection

The following diagram illustrates typical input and output connections that can be utilized with this switcher:



## Specification

| <b>Input</b>                          |  |
|---------------------------------------|--|
| Connector Type                        | (1) Type-A HDMI, (1) Mini DP, (1) Type-C USB   |
| HDMI Video Resolution                 | Up to 4K@60Hz 4:4:4, HDR   |
| Mini DP Video Resolution              | Up to 4K@60Hz 4:4:4  |
| USB-C Video Resolution                | Up to 4K@60Hz 4:4:4  |
| HDMI Audio                            | LPCM 7.1 audio, Dolby Atmos®, Dolby®TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through. |
| HDMI Version                          | 2.0  |
| DP Version                            | 1.2  |
| HDCP Version                          | HDCP 2.2 compliant.  |
| HDMI/Mini DP/USB-C Input Cable Length | 30cm   |
| <b>Output</b>                         |  |
| Connector Type                        | (1) Type-A HDMI, (1) Type-A USB  |
| HDMI Version                          | 2.0  |
| DP Version                            | 1.2  |
| HDCP Version                          | 2.2, Pass-through  |
| Video Resolution                      | Up to 4K@60Hz 4:4:4, HDR   |
| HDMI Output Cable Length              | 300cm  |
| USB-A Cable Length                    | 150cm  |
| <b>General</b>                        |  |
| Operation Temperature                 | -5 ~ +55°C   |
| Storage Temperature                   | -25 ~ +70°C  |
| Relative Humidity                     | 10% ~ 90%  |
| Power Supply                          | Powered via USB-A from display end.  |
| Power Consumption                     | Max. 1.8w  |
| Dimension (W*H*D)                     | 135mm x 83mm x 20mm  |
| Net Weight                            | 370g (Including cables)  |

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## Warranty Information

### Second Year Assurance

BZB Gear 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](https://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 1.888.660.2962 or email [support@bzbgear.com](mailto:support@bzbgear.com).

For complete warranty information, please visit [BZBGear.com/warranty](https://BZBGear.com/warranty) or scan the QR code below.



\*Terms and conditions apply. Registration is required.

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## **Mission Statement**

BZB Gear 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. BZB Gear 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 BZB Gear catalog. You'll notice comparably lower prices with BZB Gear 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, BZB Gear offers the solutions to allow you to focus on your project and not your budget.