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## Blackweb BWA17AV015

# Blackweb BWA17AV015 HDMI 4K 4-Way Splitter

## USER MANUAL

### 1. Introduction

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This manual provides detailed instructions for the installation, operation, and maintenance of your Blackweb BWA17AV015 HDMI 4K 4-Way Splitter. This device is designed to distribute a single HDMI input signal to up to four high-definition display devices simultaneously. It supports various source devices such as DVD players, Blu-ray players, satellite receivers, set-top boxes, DV cameras, A/V receivers, and other HDMI-enabled video products.

### 2. Package Contents

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Please check the package contents carefully. If any items are missing or damaged, contact your retailer.

- Blackweb BWA17AV015 HDMI 4K 4-Way Splitter Unit
- 5V DC Power Adapter
- User Manual

### 3. Product Overview

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The Blackweb BWA17AV015 HDMI 4K 4-Way Splitter features one HDMI input and four HDMI outputs, allowing for simultaneous display on multiple screens. It is housed in a compact black casing.



Figure 1: Front and Rear View of the Blackweb BWA17AV015 HDMI 4K 4-Way Splitter. The image shows the compact black unit with various ports. The front typically includes status indicators, while the rear features the HDMI input, four HDMI outputs, and the power input.

### 3.1 Front Panel

- **Power LED:** Illuminates when the device is powered on.
- **Input LED:** Illuminates when an HDMI input signal is detected.
- **Output LEDs (1-4):** Illuminates when an HDMI output device is connected and receiving a signal.

### 3.2 Rear Panel

- **HDMI IN:** Connect your HDMI source device (e.g., Blu-ray player, game console).
- **HDMI OUT (1-4):** Connect up to four HDMI display devices (e.g., TVs, monitors).
- **DC 5V:** Connect the provided 5V DC power adapter.

## 4. Setup Instructions

Follow these steps to set up your HDMI splitter:

1. **Power Off Devices:** Ensure all HDMI source devices and display devices are powered off before making connections.
2. **Connect HDMI Source:** Connect one end of an HDMI cable (not included) to the HDMI output of your source device (e.g., DVD player, set-top box) and the other end to the **HDMI IN** port on the splitter.
3. **Connect HDMI Displays:** Connect one end of an HDMI cable (not included) to an **HDMI OUT** port on the splitter and the other end to the HDMI input of your display device (e.g., TV, monitor). Repeat this step for up to four display devices.
4. **Connect Power:** Connect the provided 5V DC power adapter to the **DC 5V** port on the splitter, then plug the adapter into a standard electrical outlet. The Power LED on the splitter should illuminate.

5. **Power On Devices:** Power on your HDMI display devices first, then power on your HDMI source device.
6. **Verify Signal:** Check that the video and audio signals are displayed correctly on all connected screens. The Input LED and corresponding Output LEDs should be illuminated.

**Note:** Use high-quality HDMI cables for optimal performance, especially for 4K resolutions and longer cable runs.

## 5. Operating Instructions

Once properly set up, the Blackweb BWA17AV015 HDMI 4K 4-Way Splitter operates automatically.

- **Automatic Signal Distribution:** The splitter will automatically detect the HDMI input signal and distribute it to all connected and powered-on HDMI output devices.
- **Resolution Support:** The splitter supports various HDMI resolutions, including 4K (3840x2160) and 1080p. The output resolution will be determined by the lowest common resolution supported by all connected display devices.
- **Audio Support:** The splitter passes through various audio formats supported by HDMI.

No additional user interaction is typically required after initial setup.

## 6. Troubleshooting

If you encounter issues, refer to the following troubleshooting guide:

Problem	Possible Cause / Solution
No picture or sound on display(s).	<ul style="list-style-type: none"> <li>◦ Ensure the splitter is powered on and the Power LED is illuminated.</li> <li>◦ Check all HDMI cable connections. Ensure they are securely plugged into the correct ports.</li> <li>◦ Verify that the HDMI source device is powered on and outputting a signal.</li> <li>◦ Confirm that the display device is set to the correct HDMI input.</li> <li>◦ Try connecting the HDMI source directly to a display to rule out issues with the source or display.</li> <li>◦ Test with different HDMI cables.</li> <li>◦ Power cycle all devices (splitter, source, displays).</li> </ul>
Picture quality is poor or flickering.	<ul style="list-style-type: none"> <li>◦ Use high-quality HDMI cables, especially for 4K resolutions or longer distances.</li> <li>◦ Ensure the HDMI cables are not excessively long.</li> <li>◦ Check for interference from other electronic devices.</li> <li>◦ Verify that the source device's output resolution is compatible with all connected displays.</li> </ul>

Problem	Possible Cause / Solution
Only some displays show a picture.	<ul style="list-style-type: none"><li>◦ Check the HDMI cable connections for the non-working displays.</li><li>◦ Ensure the non-working displays are powered on and set to the correct input.</li><li>◦ Test the non-working output ports with a known good display and cable.</li></ul>

## 7. Specifications

The following are the technical specifications for the Blackweb BWA17AV015 HDMI 4K 4-Way Splitter:

- **Model:** BWA17AV015
- **Product Dimensions:** 7.6 x 3.3 x 0.7 inches
- **Item Weight:** 12.8 ounces
- **Color:** Black
- **Connector Type:** HDMI
- **Cable Type:** HDMI
- **Input:** 1x HDMI
- **Output:** 4x HDMI
- **Supported Resolutions:** Up to 4K (3840x2160)
- **Power Supply:** DC 5V (adapter included)
- **Compatible Devices:** Blu-Ray Player, Camera, DVD Player, Satellite Receiver, Set-Top Box, A/V Receiver, etc.

## 8. Maintenance

To ensure the longevity and optimal performance of your HDMI splitter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Environment:** Keep the device in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block any ventilation openings.
- **Handling:** Avoid dropping or subjecting the unit to strong impacts.

## 9. Safety Information

Please read and follow these safety precautions to prevent damage to the unit and ensure your safety:

- Do not expose this unit to water or excessive moisture.
- Do not attempt to open or modify the unit. There are no user-serviceable parts inside.
- Use only the provided power adapter. Using an incorrect power adapter may damage the unit and void the warranty.

- Keep the unit away from sources of heat, such as radiators, heat registers, stoves, or other heat-producing appliances.
- Unplug the unit during lightning storms or when unused for long periods.

## 10. Warranty and Support

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For warranty information or technical support, please refer to the documentation included with your purchase or contact Blackweb customer service. Keep your proof of purchase for warranty claims.

**Note:** *Specific warranty terms and conditions may vary by region and retailer.*