## ADESSO AUH-5100

# ADESSO AUH-5100 Bi-Directional HDMI Switch & Splitter User Manual

Model: AUH-5100

## 1. Introduction

The ADESSO AUH-5100 is a versatile bi-directional HDMI switch and splitter designed to manage your HDMI connections efficiently. This device allows you to connect two HDMI source devices to one HDMI display (switch mode) or one HDMI source device to two HDMI displays (splitter mode). It supports high-resolution 4K video at 60Hz, ensuring optimal visual quality for your entertainment and productivity needs. The AUH-5100 is a plug-and-play device, requiring no external power supply for most applications.




Image 1.1: The ADESSO AUH-5100 Bi-Directional HDMI Switch & Splitter. This image displays the compact, square-shaped device with two HDMI input/output ports on one side and a central button with LED indicators on the top surface.

## 2. Product Overview

### 2.1 Key Features

- **Bi-Directional Functionality:** Operates as a 2-in-1-out HDMI switch or a 1-in-2-out HDMI splitter.
- **4K@60Hz Support:** Delivers immersive 4K video at 60Hz, with backward compatibility for 4K@30Hz and 1080P@60Hz.
- **High Bandwidth:** Supports stable signal transmission up to 10.2Gbit/s.
- **Plug-and-Play:** No external power supply required for most standard setups.
- **Wide Compatibility:** Works with HDMI 2.0 devices including computers, gaming consoles (Xbox, PS5/4/3), Blu-Ray players, TVs, monitors, and projectors.
- **Dolby Audio Pass-through:** Supports DTS, DSD, and AC3 audio formats.
- **Compact Design:** Small and portable for easy integration into any setup.

### 2.2 Package Contents

- ADESSO AUH-5100 Bi-Directional HDMI Switch & Splitter
- User Manual

### 2.3 Device Layout




Image 2.1: Top view of the AUH-5100. This image highlights the central switch button and the two LED indicators (labeled 1 and 2) that show the active port.




Image 2.2: Angled view of the AUH-5100. This image shows the two HDMI ports on one side, labeled HDMI1 and HDMI2, and a single HDMI port on the opposite side.

- **Central Button:** Used to switch between input/output devices.
- **LED Indicators (1 & 2):** Indicate the currently active HDMI port.
- **HDMI Ports:** Three HDMI ports for connecting devices.

## 3. Setup

The ADESSO AUH-5100 is designed for simple plug-and-play operation. No drivers or external power are typically required for most standard setups. Ensure all devices are powered off before making connections.

### 3.1 Connecting in Switch Mode (2-in-1-out)

In switch mode, you connect two source devices (e.g., a gaming console and a Blu-Ray player) to one display (e.g., a TV or monitor).

1. Connect HDMI cables from your two source devices (e.g., PS5, Xbox, Blu-Ray player) to the two HDMI ports on one side of the AUH-5100 (labeled HDMI1 and HDMI2).
2. Connect an HDMI cable from the single HDMI port on the opposite side of the AUH-5100 to your display (TV or monitor).
3. Power on all connected devices.
4. Use the central button on the AUH-5100 to switch between the two input sources. The corresponding LED indicator (1 or 2) will light up to show the active source.

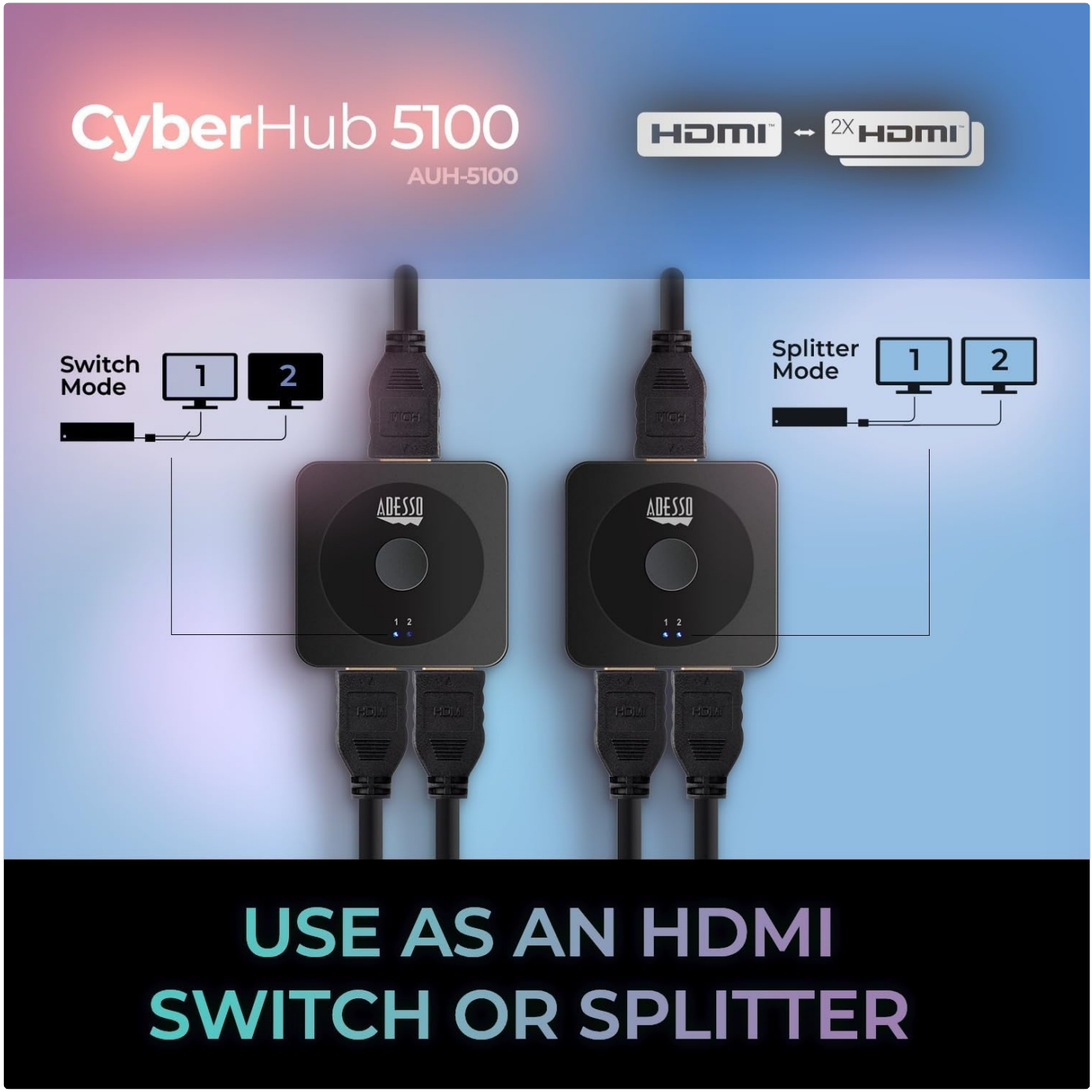



Image 3.1: Diagram illustrating both Switch Mode and Splitter Mode. The top part of the diagram shows two source devices connected to the AUH-5100, which then connects to a single display (Switch Mode). The bottom part shows a single source device connected to the AUH-5100, which then connects to two displays (Splitter Mode).

### 3.2 Connecting in Splitter Mode (1-in-2-out)

In splitter mode, you connect one source device (e.g., a laptop) to two displays (e.g., two monitors)**Note:** Only one display can be active at a time in this mode. The device does not extend the display across two monitors simultaneously; it mirrors the signal to one of the two outputs, which can be switched manually.

1. Connect an HDMI cable from your source device (e.g., laptop, computer) to the single HDMI port on one side of the AUH-5100.
2. Connect HDMI cables from the two HDMI ports on the opposite side of the AUH-5100 (labeled HDMI1 and HDMI2) to your two displays (monitors or TVs).
3. Power on all connected devices.
4. Use the central button on the AUH-5100 to switch the output between the two displays. The corresponding LED indicator (1 or 2) will light up to show the active display.




Image 3.2: The AUH-5100 connected in a splitter configuration. A single source (not visible) is connected to the device, which then outputs to two 4K UHD monitors. This illustrates the physical connection for splitter mode.

### 3.3 Power Considerations

The AUH-5100 is typically self-powered via the HDMI connection. However, for high-power devices or longer cable runs, an optional USB power cable (not included) can be connected to the micro-USB port on the side of the unit to ensure stable operation.

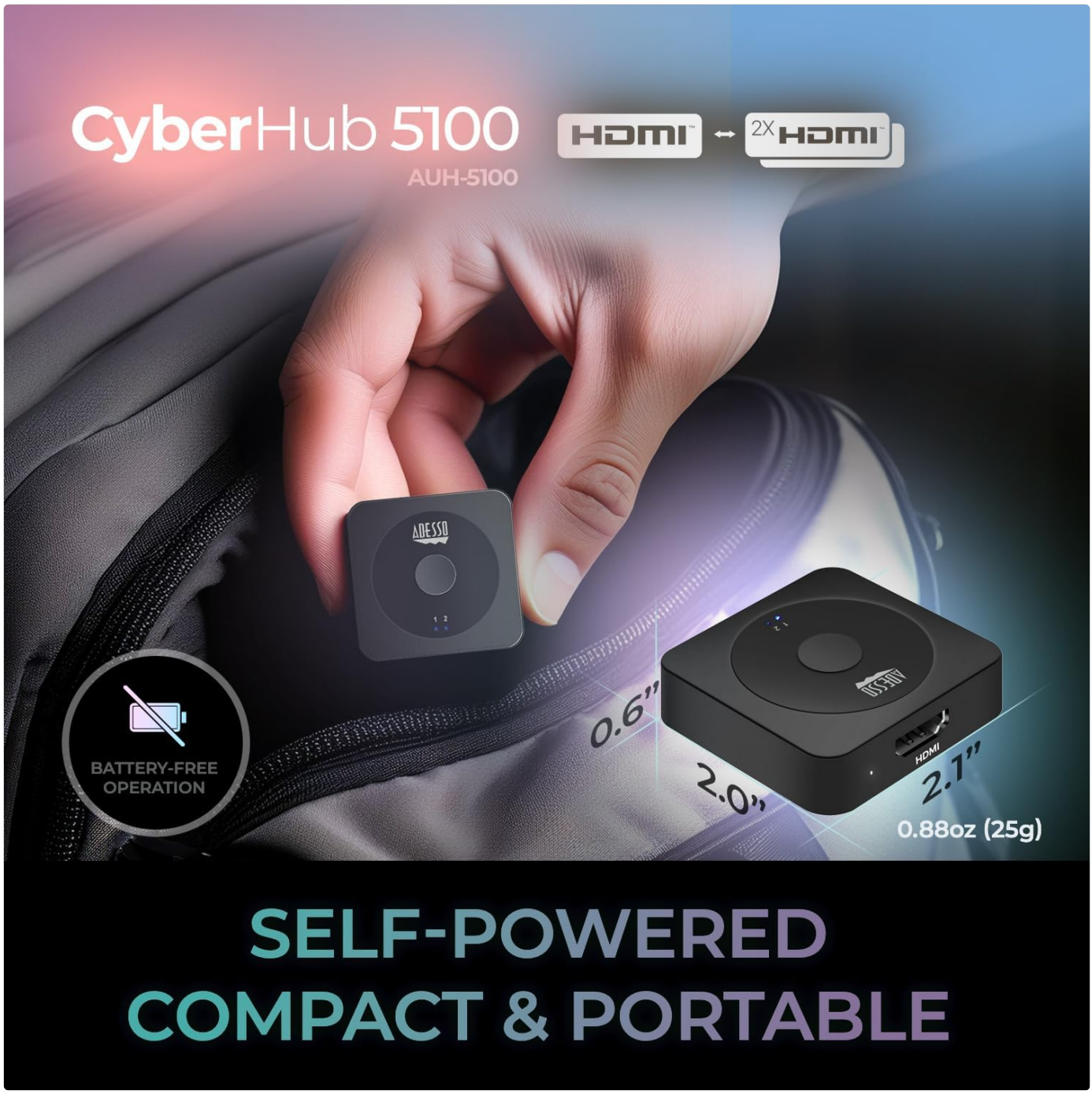



Image 3.3: The AUH-5100 being held in a hand, emphasizing its compact size (0.6" thick, 2.0" x 2.1" footprint, 0.88oz/25g). The image also highlights its battery-free operation, indicating it is self-powered.

## 4. Operating

Once connected, operating the AUH-5100 is straightforward.

### 4.1 Switching Between Devices/Displays

Press the central button on the top of the AUH-5100 to toggle between the connected HDMI devices or displays. The blue LED indicators (1 or 2) will illuminate to show which port is currently active.

Video 4.1: Official product video demonstrating the functionality of the ADESSO AUH-5100 HDMI Splitter and Switch. This video shows how to connect and switch between devices in both switch and splitter modes.

## 5. Maintenance

The ADESSO AUH-5100 requires minimal maintenance to ensure longevity and optimal performance.

- Keep the device in a dry, cool environment, away from direct sunlight and extreme temperatures.
- Avoid exposing the device to water or other liquids.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure HDMI cables are securely connected but do not force them into ports.

## 6. Troubleshooting

If you encounter issues with your ADESSO AUH-5100, refer to the following common problems and solutions:

| Problem | Possible Solution |
| --- | --- |
| No video or audio output. | • Ensure all HDMI cables are securely connected.<br>• Verify the correct input/output is selected on the AUH-5100 by pressing the switch button.<br>• Check if the display is set to the correct HDMI input.<br>• Try connecting an optional USB power cable to the AUH-5100 if using high-power devices or long HDMI cables.<br>• Test with different HDMI cables or devices to isolate the issue. |
| Poor video quality or flickering. | • Ensure HDMI cables are rated for 4K@60Hz if you are using 4K resolution.<br>• Reduce the cable length if possible.<br>• Connect an optional USB power cable to the AUH-5100.<br>• Check display settings for resolution and refresh rate. |
| Only one display works in splitter mode. | • This is expected behavior. The AUH-5100 in splitter mode allows switching between two displays, but only one can be active at a time. It does not support simultaneous extended display. |

## 7. Specifications

| Feature | Detail |
| --- | --- |
| Model | AUH-5100 |
| Function | Bi-Directional HDMI Switch (2 In 1 Out) / Splitter (1 In 2 Out) |
| HDMI Version | HDMI 2.0 |
| Resolution Support | 4K@60Hz, 4K@30Hz, 1080P@60Hz (backward compatible) |
| Bandwidth | Up to 10.2 Gbit/s |
| Audio Support | DTS, DSD, AC3 (Dolby Digital Audio) |
| Power Supply | HDMI Bus Powered (optional Micro-USB for additional power) |
| Dimensions | Approximately 2.0" x 2.1" x 0.6" |

| Feature | Detail |
| --- | --- |
| Weight | Approximately 0.88 oz (25g) |
| Compatible Devices | Blu-Ray Player, Monitor, Projector, Gaming Consoles, Computers |

## 8. Warranty Information

For warranty details and terms, please refer to the official ADESSO product warranty policy available on their website or contact customer support. Keep your purchase receipt as proof of purchase.

## 9. Support

If you require further assistance or have questions not covered in this manual, please contact ADESSO customer support through their official website or the contact information provided with your product packaging.

You can visit the ADESSO Store for more information:ADESSO Store on Amazon


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question