UGREEN ACBUGN50966

UGREEN HDMI Switch 4K@60Hz User Manual

Model: ACBUGN50966
Brand: UGREEN

1. Introduction

This manual provides detailed instructions for the UGREEN HDMI Switch 4K@60Hz, Model ACBUGN50966. This bi-directional HDMI switch allows you to connect multiple HDMI sources to a single display or a single HDMI source to multiple displays, enhancing your multimedia setup with ease and efficiency.

The device supports high-resolution video up to 4K@60Hz, including 3D, HDR, and HDCP 2.2, ensuring a superb visual and audio experience. Its compact design and plug-and-play functionality make it an ideal solution for various home and office environments.

2. Product Features

- **Bi-directional Functionality:** Connect two HDMI sources to one HDMI display, or one HDMI source to toggle between two displays.
- **High Resolution Support:** Supports 4K@60Hz, and is backward compatible with 4K@30Hz and 1080P@60Hz.
- **Advanced Video & Audio:** Compatible with 3D, HDR, HDCP 2.2, and uncompressed digital 7.1, 5.1, or 2 channels (Dolby Atmos/DTS compliant).
- **Stable Transmission:** Features an industry-leading IC chip for 18 Gbps video transmission, ensuring stable and fast signal delivery with low latency.
- **Easy Operation:** Simple plug-and-play setup with a single button for switching between devices. No external power supply is required.
- **Wide Compatibility:** Works with all devices featuring a standard HDMI 2.0 interface, including gaming consoles (PS5, PS4, Xbox), streaming devices (Roku, Fire Stick), PCs, laptops, TVs, and projectors.

3. Package Contents

Please verify that all items are present and in good condition upon opening the package:

- 1 x UGREEN 2 In 1 Out HDMI Switch
- 1 x User Manual

Note: HDMI cables are not included and must be purchased separately.

4. Product Overview

Familiarize yourself with the components and ports of your UGREEN HDMI Switch:



Figure 4.1: Top view of the UGREEN HDMI Switch, highlighting the central selection button and input/output ports.



Figure 4.2: The compact design of the UGREEN HDMI Switch, illustrating its plug-and-play nature without the need for an external power supply.

Device Components:

- **HDMI Input 1 Port:** Connect your first HDMI source device (e.g., PS5, Blu-ray player).
- **HDMI Input 2 Port:** Connect your second HDMI source device (e.g., Xbox, Fire Stick).
- **HDMI Output Port:** Connect to your display device (e.g., TV, monitor, projector).
- **Selection Button:** Press to switch between the connected HDMI sources/displays.
- **LED Indicators (1 & 2):** Indicate which input/output port is currently active.

5. Setup Instructions

The UGREEN HDMI Switch offers bi-directional functionality, allowing for two primary setup configurations:

5.1. HDMI Switch (2 Inputs to 1 Output)

This configuration allows you to connect two source devices to one display and switch between them.

1. Connect your first HDMI source device (e.g., gaming console, PC) to the**HDMI Input 1** port on the UGREEN switch.
2. Connect your second HDMI source device (e.g., streaming box, Blu-ray player) to the**HDMI Input 2** port on the UGREEN switch.
3. Connect the **HDMI Output** port of the UGREEN switch to the HDMI input port of your display device (e.g., TV, monitor).
4. Ensure all devices are powered on. The switch draws power directly from the HDMI sources, so no external power adapter is needed.

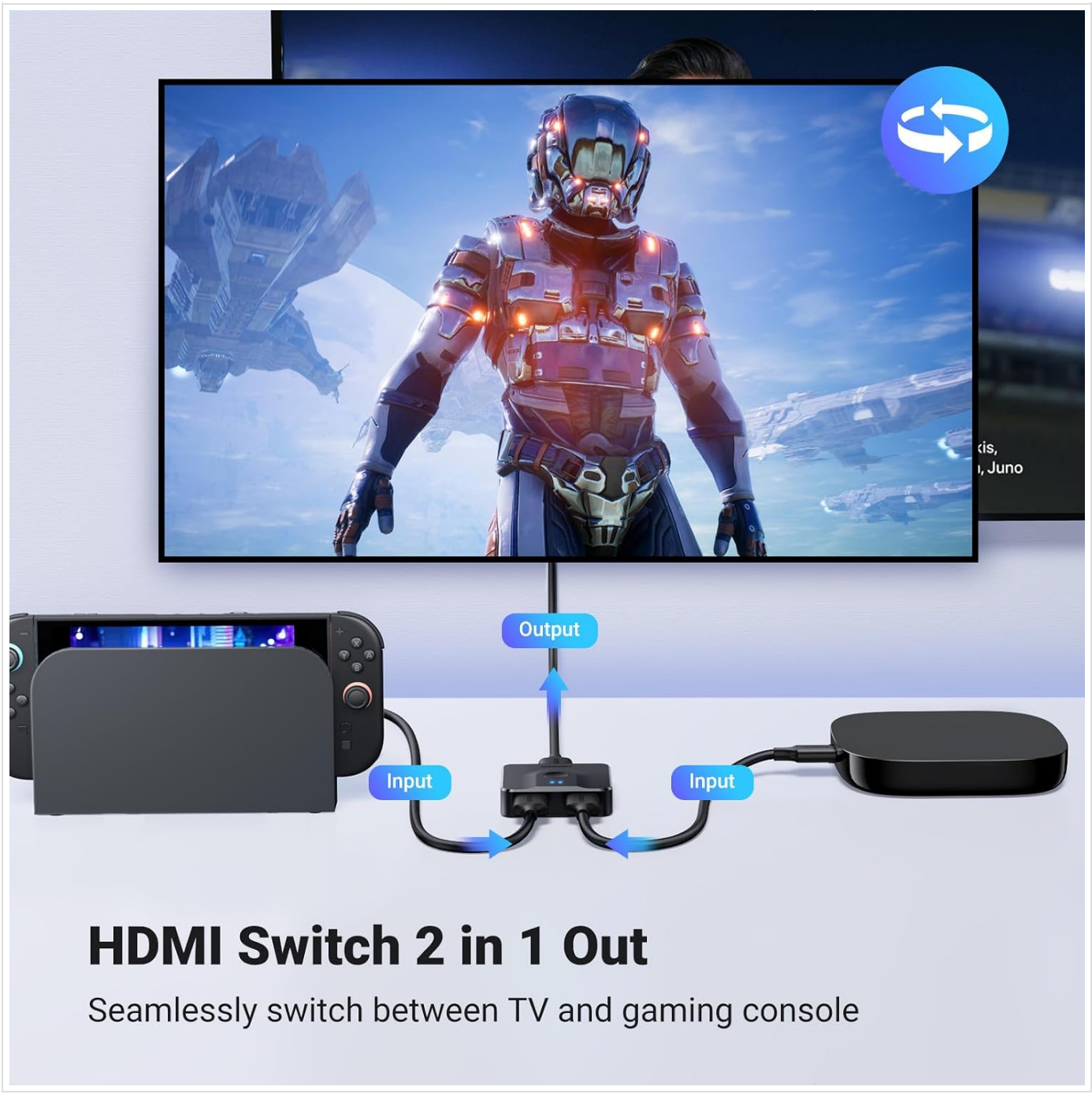


Figure 5.1: Setup for HDMI Switch (2 In 1 Out) configuration.

5.2. HDMI Splitter (1 Input to 2 Outputs)

This configuration allows you to connect one source device to two displays and switch which display receives the signal.
Note: Only one monitor can be displayed at a time.

1. Connect your HDMI source device (e.g., laptop, PC) to the**HDMI Output** port on the UGREEN switch.

2. Connect your first display device (e.g., primary monitor) to the**HDMI Input 1** port on the UGREEN switch.
3. Connect your second display device (e.g., secondary monitor or projector) to the**HDMI Input 2** port on the UGREEN switch.
4. Ensure all devices are powered on.



Figure 5.2: Setup for HDMI Splitter (1 In 2 Out) configuration.

Important Notes for Setup:

- For optimal 4K video quality, use standard HDMI 2.0 cables. The total length of HDMI cables (input + output) should not exceed 2 meters (6.6 feet) to ensure vivid 4K resolution.
- The switch is powered via the HDMI connection. If a connected source device does not provide sufficient power, an external 5V power adapter (not included) may be required, though this is rarely necessary for most standard setups.

6. Operating Instructions

Operating the UGREEN HDMI Switch is straightforward:

1. Once all devices are connected and powered on, the switch will automatically detect the active signal.
2. To switch between the connected HDMI sources or displays, simply press the large circular **Selection Button** located on the top of the switch.
3. The blue LED indicators (1 or 2) next to the button will illuminate to show which input/output port is currently active.



Figure 6.1: The UGREEN HDMI Switch with cables connected, demonstrating the active LED indicator for the selected port.

7. Maintenance

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

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Avoid exposing the switch to direct sunlight or heat sources.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.

- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel for any repairs.

8. Troubleshooting

If you encounter issues with your UGREEN HDMI Switch, please consult the following common troubleshooting steps:

Problem	Possible Cause / Solution
No signal or flickering screen.	◦ Ensure all HDMI cables are securely connected to both the switch and the devices. ◦ Verify that the correct input is selected on your display device (TV/monitor). ◦ Try using shorter, high-quality HDMI 2.0 cables, especially for 4K@60Hz signals. The total cable length should not exceed 2 meters (6.6 feet). ◦ Test with different HDMI cables to rule out cable issues. ◦ If using a long cable or multiple adapters, the signal might be too weak. Consider a powered HDMI splitter/switch if issues persist.
No audio.	◦ Check audio settings on your source device and display. ◦ Ensure the HDMI cable supports audio transmission. ◦ Restart all connected devices.
Switch does not automatically change inputs.	◦ This model requires manual switching via the button. It does not feature automatic input detection. ◦ Press the selection button to cycle through the active inputs.
Picture quality is poor or resolution is lower than expected.	◦ Ensure your source device and display both support the desired resolution (e.g., 4K@60Hz). ◦ Use high-quality HDMI 2.0 cables. ◦ Check the cable length; excessive length can degrade signal quality, especially for higher resolutions.

For further assistance, please refer to the official UGREEN Troubleshooting Guide (PDF) available on the product's support page or contact UGREEN customer support.

9. Specifications

Feature	Detail
Model Number	ACBUGN50966
Product Dimensions	3.94 x 3.94 x 0.79 inches
Item Weight	1.76 ounces

Feature	Detail
Color	Black
Connector Type	HDMI
Cable Type	HDMI
Max Resolution Support	4K@60Hz (backward compatible with 4K@30Hz, 1080P@60Hz)
Features Supported	3D, HDR, HDCP 2.2, Dolby Atmos/DTS compliant audio
Bandwidth	18 Gbps
Power Supply	No external power needed (powered via HDMI)
Manufacturer	Ugreen Group Limited
First Available Date	October 25, 2018

10. Warranty and Support

UGREEN products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please visit the official UGREEN website or contact their customer service directly.

Please retain your proof of purchase for warranty claims.

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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.

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