

OREI HD-102

OREI HDMI Splitter (HD-102) User Manual

Model: HD-102

1. INTRODUCTION

The OREI HDMI Splitter (HD-102) is designed to duplicate a single HDMI input signal to two identical HDMI output signals. This device allows you to display the same content on two separate screens simultaneously. It is ideal for situations requiring mirrored displays, such as presentations, home entertainment, or digital signage.

Important Note:

- This device is a duplicator and will **mirror** your display. It is **not** designed to extend your desktop across multiple monitors.
- The splitter supports HDCP 1.4 but does **not bypass** HDCP 2.0 or 2.2.
- This unit does **not** extract audio.



Image 1.1: The OREI HDMI Splitter (HD-102) unit, showing the input port and power connection.

2. PACKAGE CONTENTS

Please verify that all items are included in your package:

- 1 x OREI HDMI Splitter (HD-102)
- 1 x USB Power Cable
- 1 x User Manual (this document)

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

PACKAGE INCLUDED:



1 HDMI 1x2 Splitter



USB Power Cable



User Manual

(HDMI cables are not included)

Image 2.1: Visual representation of the items included in the package.

3. SETUP INSTRUCTIONS

Follow these steps to set up your OREI HDMI Splitter:

1. **Connect the HDMI Source:** Plug one end of an HDMI cable (not included) into the HDMI output port of your source device (e.g., computer, game console, Blu-Ray player). Connect the other end of this HDMI cable to the **INPUT** port on the OREI HDMI Splitter.
2. **Connect the Displays:** Plug one end of an HDMI cable into the **OUTPUT 1** port on the OREI HDMI Splitter and the other end into the HDMI input of your first display (e.g., TV, monitor). Repeat this step for the **OUTPUT 2** port and your second display.
3. **Power the Splitter:** Connect the provided USB power cable to the power input port on the splitter. Plug the other end of the USB cable into a USB power source (e.g., a USB port on your TV, a USB wall adapter, or a computer USB port). The splitter is USB powered, and a power adapter is not included.
4. **Power On Devices:** Ensure all connected devices (source and displays) are powered on.

For optimal performance, use high-quality HDMI cables that are 30 feet or shorter.



Image 3.1: Connection diagram for the OREI HDMI Splitter, illustrating one input to two outputs.

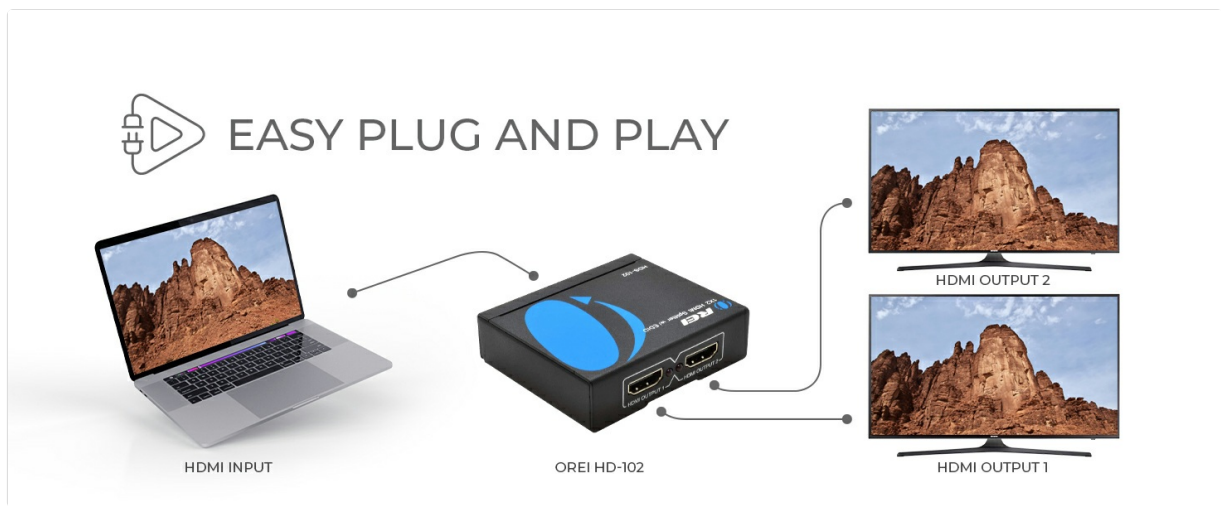


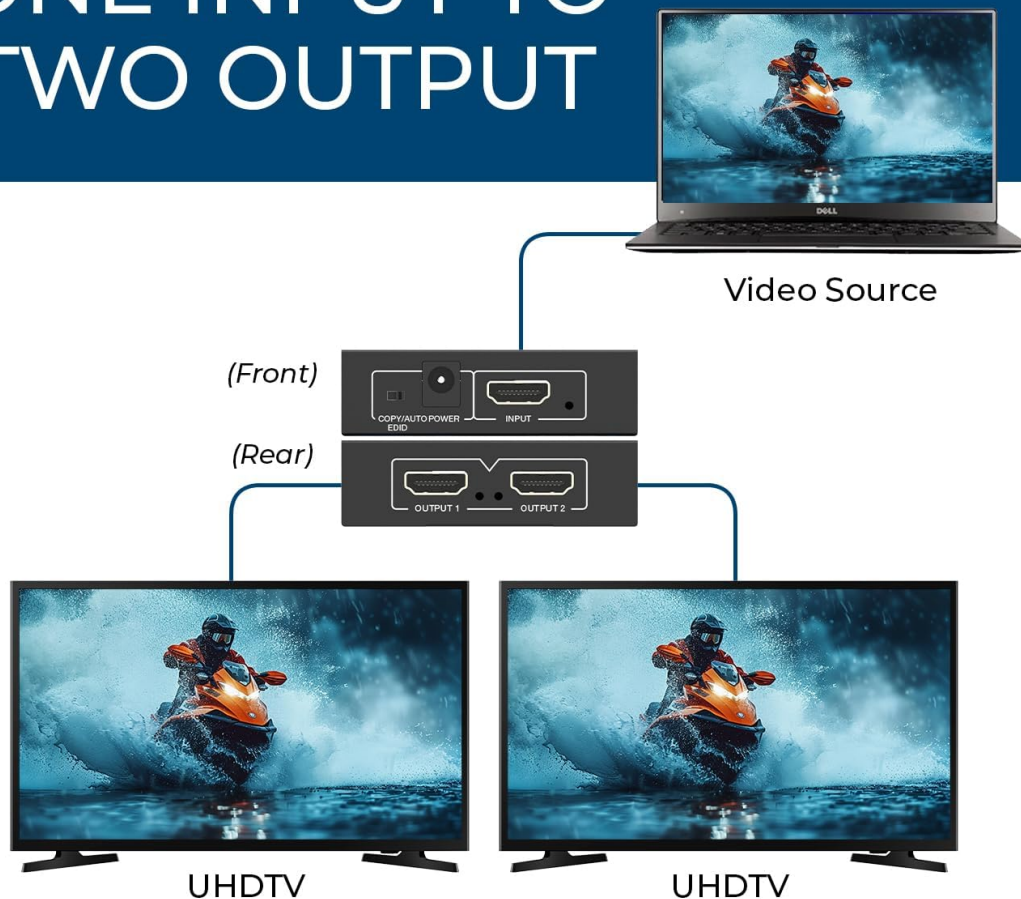
Image 3.2: Simplified setup diagram highlighting the plug-and-play nature of the device.

4. OPERATING INSTRUCTIONS

The OREI HDMI Splitter is a plug-and-play device. Once all connections are made and devices are powered on, the splitter will automatically duplicate the input signal to both connected displays.

- The content displayed on both output screens will be identical to the source.
- No additional software or drivers are required for operation.

ONE INPUT TO TWO OUTPUT



*NOTE: Will NOT Extend Laptop/Computer screen to have different programs on each display.
Will NOT work with Soundbar/AVRs for audio extraction.*

Image 4.1: Clarification that the splitter duplicates the display, it does not extend it.

One HDMI source to two displays (Duplicate Output)



Image 4.2: Visual confirmation of the duplicate output function.

5. SPECIFICATIONS

Feature	Detail
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Model Number	HD-102
Input Ports	1 x HDMI
Output Ports	2 x HDMI
Supported Resolutions	Up to 4K@30Hz, 1080P@60Hz, 1080P@30Hz, 720p, VGA to WUXGA
HDMI Version Compatibility	HDMI 1.4 / 1.3 / 1.2
HDCP Support	HDCP 1.4 (Does NOT support HDCP 2.0 & 2.2)
Video Bandwidth	18Gbps
Deep Color	4K @ 30Hz / 480i/ 576i/ 480p/ 576p/ 720p/ 1080i/ 1080p/ 1440i/ 1440p
Power Supply	USB Powered (5W Max)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Dimensions (L x W x H)	2.5 x 2.5 x 1 inches (70 x 60 x 20.5 mm)
Weight	4.16 ounces (118g)
Material	Metal enclosure

DISTRIBUTE 1 HDMI INPUT TO 2 DISPLAYS

Works with most media devices
with an HDMI port such as
TVs, Projectors, Monitors
for video output and
Blu-ray players,
streaming devices,
computers for video input.



Up to 4K
@30Hz



Plug &
Play



Fully
Compact

Image 5.1: Detailed technical specifications and physical attributes of the HD-102 splitter.



FULL VIDEO FORMAT

4K @30hz

1080P @30hz

1080P @60hz

*Note: Does not extend monitors
and does not extract audio*

Image 5.2: Visual representation of supported video formats and key limitations.

6. MAINTENANCE

The OREI HDMI Splitter is designed for durability and requires minimal maintenance. The heavy-duty metal enclosure helps dissipate heat, ensuring stable operation.

- Keep the device in a well-ventilated area to prevent overheating.
- Avoid exposing the unit to extreme temperatures outside the recommended operating range (0°C to 40°C / 32°F to 104°F).
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.

7. TROUBLESHOOTING

If you encounter issues with your OREI HDMI Splitter, please refer to the following common problems and solutions:

- **No Picture on Displays:**
 - Ensure all HDMI cables are securely connected to both the source and the displays.
 - Verify that the USB power cable is connected and the splitter is receiving power.
 - Check if the source device and displays are powered on and set to the correct HDMI input.
 - Try using shorter, high-quality HDMI cables (under 30 feet).
 - Test with a different HDMI source or display to isolate the problem.
- **Picture Quality Issues (Flickering, Distortion):**
 - Ensure HDMI cables are not damaged and are securely connected.
 - Reduce the length of HDMI cables if they exceed 30 feet.
 - Verify that the resolution and refresh rate of your source device are supported by both the splitter and your displays (up to 4K@30Hz).
- **Displays are not Extended (only Mirrored):**
 - This device is designed to duplicate (mirror) displays only. It does not support extending your desktop across multiple monitors. This is normal operation for the HD-102.
- **HDCP Errors or Blank Screen with Protected Content:**
 - The HD-102 supports HDCP 1.4. It will **not** bypass HDCP 2.0 or 2.2. If your source or display requires HDCP 2.0/2.2, this splitter may not function correctly with that content.
- **No Audio:**
 - This splitter does not extract audio. Ensure your audio is routed directly from the source or through a separate audio extraction device if needed.

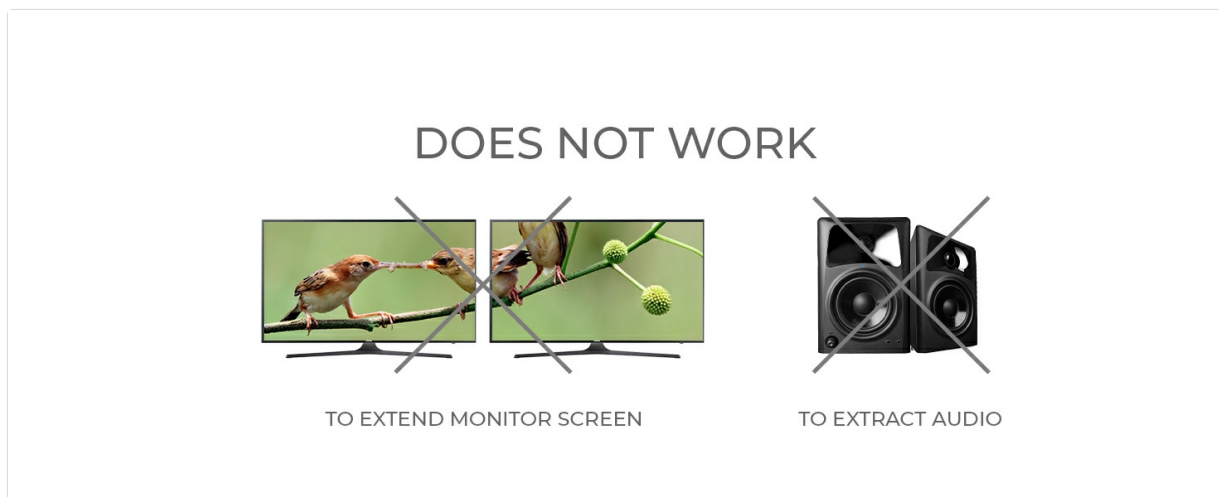


Image 7.1: Visual reminder of the splitter's limitations regarding extended displays and audio extraction.

8. WARRANTY AND SUPPORT

OREI provides the following support for the HD-102 HDMI Splitter:

- **12-Month Manufacturer's Warranty:** This product is covered by a 12-month warranty from the date of purchase against defects in materials and workmanship.
- **Lifetime OREI Tech Support:** OREI offers lifetime technical support for this product.

For technical assistance or warranty claims, please contact OREI customer support. Contact information can typically be found on the OREI website or through your retailer.