

OREI HD-602

OREI HD-602 6x2 HDMI Matrix Switch/Splitter Instruction Manual

Brand: OREI | Model: HD-602

1. PRODUCT OVERVIEW

The OREI HD-602 is a versatile 6x2 HDMI Matrix Switch/Splitter designed to manage multiple HDMI sources and displays. It allows you to connect up to six HDMI input devices and distribute their signals to two independent HDMI output displays. This device supports advanced video and audio formats, ensuring high-quality transmission without signal degradation.

Key functionalities include:

- **Full Matrix Function:** Independently switch any of the six HDMI input sources to either of the two HDMI output displays.
- **Signal Amplification:** Features a built-in auto-adjusting amplifier to regenerate the HDMI signal, preventing loss over longer cable runs.
- **Flexible Usage:** Can function as a switch (multiple inputs, one output) or a splitter (one input, multiple outputs) depending on your setup.

2. PACKAGE CONTENTS

Upon opening the package, verify that all the following items are included:

- OREI HD-602 HDMI Matrix Switch/Splitter Unit
- 5V DC Power Adapter
- Infrared (IR) Remote Control
- User Manual



Image: The OREI HD-602 unit and its included remote control.

HD-602

TECHNICAL SPECIFICATIONS



*Lifetime OREI Tech Support &
12-Month Manufacturer's Warranty*

Image: The OREI HD-602 unit, remote control, and power adapter, representing the typical package contents.

3. FEATURES AND SPECIFICATIONS

3.1. Key Features

- Connects 6 HDMI sources to 2 HDMI displays.
- Supports Ultra HD resolutions up to 4K/2K (3840x2160) at 30Hz.
- Compatible with 3D/2D video formats.
- Deep Color support up to 48-bit.
- Audio EDID features for forcing audio output to Auto (same as source), 2.1ch, 5.1ch, or 7.1ch.
- Convenient remote control for input selection.
- Metal enclosure for enhanced durability and interference reduction.

3.2. Technical Specifications

Product Dimensions	6 x 7 x 5 inches
Item Weight	1 pound
Model Number	HD-602
Connector Type	HDMI
Input Ports	6 HDMI (female type)
Output Ports	2 HDMI (female type)
Bandwidth Frequency	2.25Gbps (single link)
Supported Audio Standards	LPCM, Dolby-AC3, DTS7.1, DSD/Dolby TrueHD/DTS-HD Master Audio
Compatible Devices	Television, Monitor, Projector, Gaming Console, Personal Computer, Streaming Devices (Roku), Cable Boxes, Home Surveillance Systems



Image: Visual representation of the HD-602's compact size and dimensions.



PRODUCTS SUPPORTED

- STREAMING DEVICES-ROKU
- CABLE BOXES
- GAME CONSOLES
- HOME SURVEILLANCE SYSTEMS
- COMPUTERS



**EASY PLUG
& PLAY**

Image: A list of audio standards supported by the HD-602, including LPCM, Dolby AC3, DTS 7.1, DSD/Dolby TrueHD/DTS-HD Master Audio.



Image: Examples of various devices compatible with the OREI HD-602, such as streaming devices, cable boxes, game consoles, and computers.

4. SETUP INSTRUCTIONS

Follow these steps to set up your OREI HD-602 HDMI Matrix Switch/Splitter:

1. **Connect HDMI Input Sources:** Connect your HDMI source devices (e.g., Blu-ray player, game console, cable box) to the HDMI Input ports (IN 1 to IN 6) on the rear of the HD-602 unit using high-quality HDMI cables.
2. **Connect HDMI Output Displays:** Connect your HDMI display devices (e.g., TV, monitor, projector) to the HDMI Output ports (OUT A and OUT B) on the rear of the HD-602 unit.
3. **Connect Power:** Plug the provided 5V DC power adapter into the 'DC 5V' port on the rear of the HD-602, then plug the adapter into a power outlet.
4. **Power On:** Flip the 'ON/OFF' switch on the front panel to the 'ON' position. The power indicator LED will illuminate.

5. **Initial Self-Test:** The unit will perform a brief self-test to verify HDMI connections. Displays may momentarily go blank before showing a signal.



Image: A diagram illustrating how to connect various input devices (laptop, game console, media player) to the HD-602 and how the two outputs connect to separate displays (TVs) and an audio system.

Video: An official OREI video demonstrating the unboxing, a closer look at the unit's ports and controls, and a practical setup guide for the HD-602 HDMI Matrix Switch/Splitter. This video provides visual instructions for connecting input sources and output displays, as well as powering on the device.

5. OPERATING INSTRUCTIONS

The OREI HD-602 offers flexible control options for managing your HDMI signals.

5.1. Front Panel Controls



Image: A close-up view of the HD-602's front panel, highlighting the power switch, input selection buttons for each output, and EDID configuration switches.

- **Power Switch:** Toggles the unit on or off.
- **Input Selection Buttons (OUT A / OUT B):** Press the 'OUT A' or 'OUT B' buttons repeatedly to cycle through the available HDMI input sources (IN 1 to IN 6) for the respective output display. The corresponding LED will indicate the currently selected input.
- **EDID Switches:** These switches allow you to configure the Extended Display Identification Data (EDID) settings for audio. You can select between 2.1ch, 5.1ch, or 7.1ch audio output, or 'Auto' to match the source's audio format. Adjust these settings if you experience audio compatibility issues.
- **IR Receiver:** The small window on the front panel receives signals from the remote control. Ensure it is not obstructed.

5.2. Remote Control Operation

The included IR remote control provides convenient wireless operation:

- **Input Buttons (1-6):** Directly select an HDMI input source for the currently active output.
- **Output Selection Buttons (OUT A / OUT B):** Use these buttons to specify which output (A or B) you want to control. Once an output is selected, use the input buttons (1-6) to choose the desired source for that output.
- **Power Button:** Toggles the unit on or off.

6. MAINTENANCE

To ensure the longevity and optimal performance of your OREI HD-602, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid using liquid or aerosol cleaners, which may damage the device.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block the ventilation openings on the sides of the device.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.
- **Cable Management:** Keep HDMI cables neatly organized and avoid excessive bending or tension, which can damage the cables or ports.

7. TROUBLESHOOTING

If you encounter issues with your OREI HD-602, refer to the following troubleshooting tips:

- **No Picture/Sound:**

- Verify all HDMI cables are securely connected to both the input sources and output displays.
- Ensure the HD-602 unit is powered on and the power indicator LED is lit.
- Check that the correct input source is selected for each output display using the front panel buttons or remote control.
- Test with different HDMI cables or input sources to rule out faulty components.
- Adjust the EDID settings on the front panel to ensure compatibility with your audio system.

- **Intermittent Signal:**

- Ensure HDMI cables are of good quality and within recommended length limits for your resolution (especially for 4K).
- Check for any loose connections.
- Minimize electromagnetic interference by keeping the unit away from other electronic devices.

- **Remote Control Not Working:**

- Ensure there are no obstructions between the remote control and the IR receiver on the front of the unit.
- Check and replace the remote control batteries if necessary.

For further assistance, consult the complete user manual or contact OREI customer support.







8. WARRANTY AND SUPPORT

The OREI HD-602 HDMI Matrix Switch/Splitter comes with a **12-Month Manufacturer's Warranty**, covering defects in materials and workmanship under normal use. Additionally, OREI provides **Lifetime OREI Tech Support** for its products.

For technical assistance, warranty claims, or any product-related inquiries, please contact OREI customer support:

- **Email:** info@orei.com

Please retain your proof of purchase for warranty service.

	<p>OREI HDMI 1.4 Matrix 6x2 User Manual (HD-602)</p> <p>User manual for the OREI HDMI 1.4 Matrix 6x2 (HD-602) switch, providing detailed instructions on features, specifications, operation, and setup for routing multiple HDMI sources to two displays.</p>
	<p>OREI HDMI 1.4 Matrix 6x2 - User Manual & Specifications</p> <p>User manual for the OREI HDMI 1.4 Matrix 6x2 (Model HDV-962), detailing features, specifications, front and rear panel controls, remote functions, and an application example. Supports 4Kx2K resolution, 3D, ARC, and PIP.</p>
	<p>OREI HD-102 HDMI 1.4 Splitter 1 Input 2 Output User Manual</p> <p>User manual for the OREI HD-102 HDMI 1.4 Splitter. This 1-input, 2-output device duplicates an HDMI signal for simultaneous display on two screens, supporting up to 4K@30Hz resolution, 3D video, and various audio formats. Features include HDCP 1.4 compliance, EDID management, and USB power. Find detailed specifications, operation instructions, package contents, and application examples.</p>
	<p>OREI HDMI 1.4 Splitter 1x4 User Manual</p> <p>User manual for the OREI HDMI 1.4 Splitter 1x4, detailing its features, specifications, package contents, front and rear panel controls, and application examples.</p>
	<p>OREI UHDS-102 1x2 HDMI 18Gbps Splitter User Manual for 4K@60Hz Video Distribution</p> <p>User manual for the OREI UHDS-102, a 1x2 HDMI 18Gbps splitter supporting 4K@60Hz (4:4:4) resolution and 18Gbps bandwidth for high-performance audio-video distribution. Includes features, specifications, and operational guidance.</p>
	<p>HDMI Matrix 2x2 with EDID Control User Manual</p> <p>User manual for the HDMI Matrix 2x2 with EDID Control, detailing features, specifications, operation controls, and application examples.</p>