OREI UHDS-104

OREI UltraHD 4K 60Hz 1x4 HDMI Splitter UHDS-104 Instruction Manual

Brand: OREI | Model: UHDS-104

INTRODUCTION

The OREI UltraHD 4K 60Hz 1x4 HDMI Splitter (Model UHDS-104) is designed to distribute a single HDMI input signal to four identical HDMI output signals. This device supports resolutions up to 4K at 60Hz, HDMI 2.0, and HDCP 2.2, making it suitable for various display setups. It features EDID management and is housed in a durable metal enclosure for optimal performance and heat dissipation. This manual provides essential information for setup, operation, maintenance, and troubleshooting.

KEY FEATURES

- **1 Input to 4 Outputs:** Splits one HDMI input signal to four identical HDMI output signals.
- **4K UltraHD Support:** Supports resolutions up to 4K@60Hz, 1080p, 720p, and VGA to WUXGA.
- **HDMI 2.0 & HDCP 2.2 Compliant:** Ensures compatibility with modern HDMI sources and displays.
- **18 Gbps Bandwidth:** Provides high-speed data transfer for uncompromised video quality.
- **EDID Management:** Features EDID control for optimal display compatibility across various monitors.
- **Audio Support:** Compatible with LPCM, Dolby-AC3, DTS7.1, DSD/Dolby TrueHD/DTS-HD master audio.
- **Durable Metal Enclosure:** Heavy-duty cool metal casing protects internal components and aids in heat dissipation.
- **Plug & Play:** Easy installation with no complex software or drivers required.
- **Compact Design:** Small footprint for convenient placement.

SPECIFICATIONS

Attribute	Value
Model Number	UHDS-104
Product Dimensions	6.5 x 3.25 x 0.6 inches

Item Weight	10 ounces
Connector Type	HDMI
Brand	OREI
Compatible Devices	PC, Gaming Consoles, Streaming Devices, Blu-ray/DVD players, Satellite Receivers, Projectors
Supported Resolution	Up to 4K@60Hz, 1080p, 720p
HDMI Standard	HDMI 2.0
HDCP Compliance	HDCP 2.2
Bandwidth	18 Gbps
Power Supply	DC 5V (adapter included)

PACKAGE CONTENTS

- 1x OREI UltraHD 4K 60Hz 1x4 HDMI Splitter (UHDS-104)
- 1x 5V DC Power Adapter
- 1x User Manual

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

SETUP INSTRUCTIONS

1. **Connect HDMI Source:** Connect your HDMI source device (e.g., PC, gaming console, streaming device) to the 'HDMI IN' port on the splitter using a high-quality HDMI cable.
2. **Connect HDMI Displays:** Connect up to four HDMI display devices (e.g., TVs, monitors, projectors) to the 'OUT 1', 'OUT 2', 'OUT 3', and 'OUT 4' ports on the splitter using high-quality HDMI cables. It is recommended to use HDMI cables not exceeding 30 feet for optimal performance.
3. **Connect Power:** Plug the included 5V DC power adapter into the 'DC 5V' port on the splitter, then plug the adapter into a power outlet. The power indicator LED on the splitter will illuminate.
4. **Power On Devices:** Power on your HDMI source device and all connected HDMI displays.

The splitter is designed for plug-and-play operation. It will automatically detect and adjust to the optimal resolution for your connected displays.

Image: Rear view of the OREI UHDS-104 HDMI Splitter, highlighting the HDMI input, four HDMI output ports, and the Micro 5V power input.

OPERATING INSTRUCTIONS

Video Distribution (Duplicate/Mirror)

The OREI UHDS-104 splitter is designed to duplicate or mirror your HDMI source signal across all connected displays. It does **not** extend monitors to create an extended desktop. All four output displays will show the exact same content as the input source.

Image: A laptop connected to the HDMI splitter, with the signal duplicated to multiple televisions, illustrating the 'Duplicate Only' function.

EDID Management

The splitter features EDID (Extended Display Identification Data) management to ensure optimal compatibility

between your HDMI source and various displays. The EDID switch on the splitter allows you to select between different modes:

- **Auto Detection (Default):** The splitter will automatically detect the EDID information of each connected display and output the optimal video and audio content. If displays have different resolutions, it will attempt to find a common factor.
- **Forced EDID (STD/TV):** You can manually select a specific EDID mode (e.g., STD for standard resolution or TV for higher resolution) to force the output to a desired format. This is useful when encountering compatibility issues with certain displays.

Consult the user manual for detailed instructions on EDID switch settings for specific scenarios.

Image: A close-up of the HDMI splitter's EDID switch, showing options for 'STD' (Standard) and 'TV' (Television) modes.

MEDIA INTEGRATION

Product Overview and Setup

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Video: An official OREI Direct video demonstrating the setup and use of the 1x4 HDMI Splitter. The video highlights the ease of connection and the mirroring functionality across multiple displays.

Detailed Product Features

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Video: An official OREI Direct video providing a detailed overview of the UltraHD 4K@60Hz 1x4 HDMI Splitter, showcasing its features and benefits for various home entertainment and professional setups.

HDMI Splitter Functionality

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Video: An official Merchant Video demonstrating the core functionality of the OREI UltraHD 4K 60Hz 1x4 HDMI Splitter, emphasizing its ability to duplicate a single HDMI source to four displays.

Alternative Brand HDMI Splitter (UGREEN)

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Video: A UGREEN GROUP LIMITED video showcasing their 1x4 HDMI Splitter. While not the OREI brand, it demonstrates similar functionality of splitting a 4K@60Hz signal to multiple outputs.

Alternative Brand HDMI Splitter (J-Tech Digital)

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Video: A J-Tech Digital, Inc. video demonstrating their 4K HDMI Splitter with 1-In and 4-Out. This video illustrates the general setup and benefits of a 1x4 HDMI splitter, similar to the OREI UHDS-104.

TROUBLESHOOTING

- **No Extended Desktop:** This splitter is designed for duplicating/mirroring signals, not extending your desktop across multiple monitors. Ensure your setup aligns with this functionality.

- **No Signal/Flickering Screen:** Verify all HDMI cables are securely connected and are of high quality, especially for 4K signals. Try using cables 30 feet or shorter. Check the power adapter connection and ensure the splitter is powered on.

- **No Audio:** Ensure your audio settings on the source device are correctly configured for HDMI output. Check the EDID switch settings on the splitter to ensure proper audio format detection.

- **Remote Control Issues (CEC/ARC):** This splitter may not support CEC (Consumer Electronics Control) or ARC (Audio Return Channel) functionality, which can affect TV remote control over connected devices. You may need to use separate remotes for source devices.

- **PS3 Compatibility:** Some older devices like the PS3 may have specific HDCP requirements that can cause compatibility issues with certain splitters. Ensure your PS3's video output settings are compatible.

WARRANTY AND SUPPORT

The OREI UHDS-104 HDMI Splitter comes with a **12-Month Manufacturer's Warranty**. OREI also offers **Lifetime OREI Tech Support** for their products. For any technical assistance or warranty claims, please contact OREI customer service directly.