

JCHICI US1-HS104L-4K-BS

JCHICI HDMI Splitter 1x4 User Manual

Model: US1-HS104L-4K-BS

Brand: JCHICI

1. INTRODUCTION

The JCHICI HDMI Splitter 1x4 is designed to distribute a single HDMI input signal to four HDMI output devices simultaneously. It supports 4K resolution at 60Hz with HDR10 and Dolby Vision, ensuring high-quality video and audio transmission. This device is ideal for various applications including home theaters, conference rooms, and office setups where multiple displays are required from a single source.

2. PACKAGE CONTENTS

- HDMI Splitter x 1
- USB Power Cable x 1
- Power Adapter x 1
- User Manual x 1
- Anti-slip Rubber Pads x 4

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and indicators on your JCHICI HDMI Splitter.

Product Interface Description

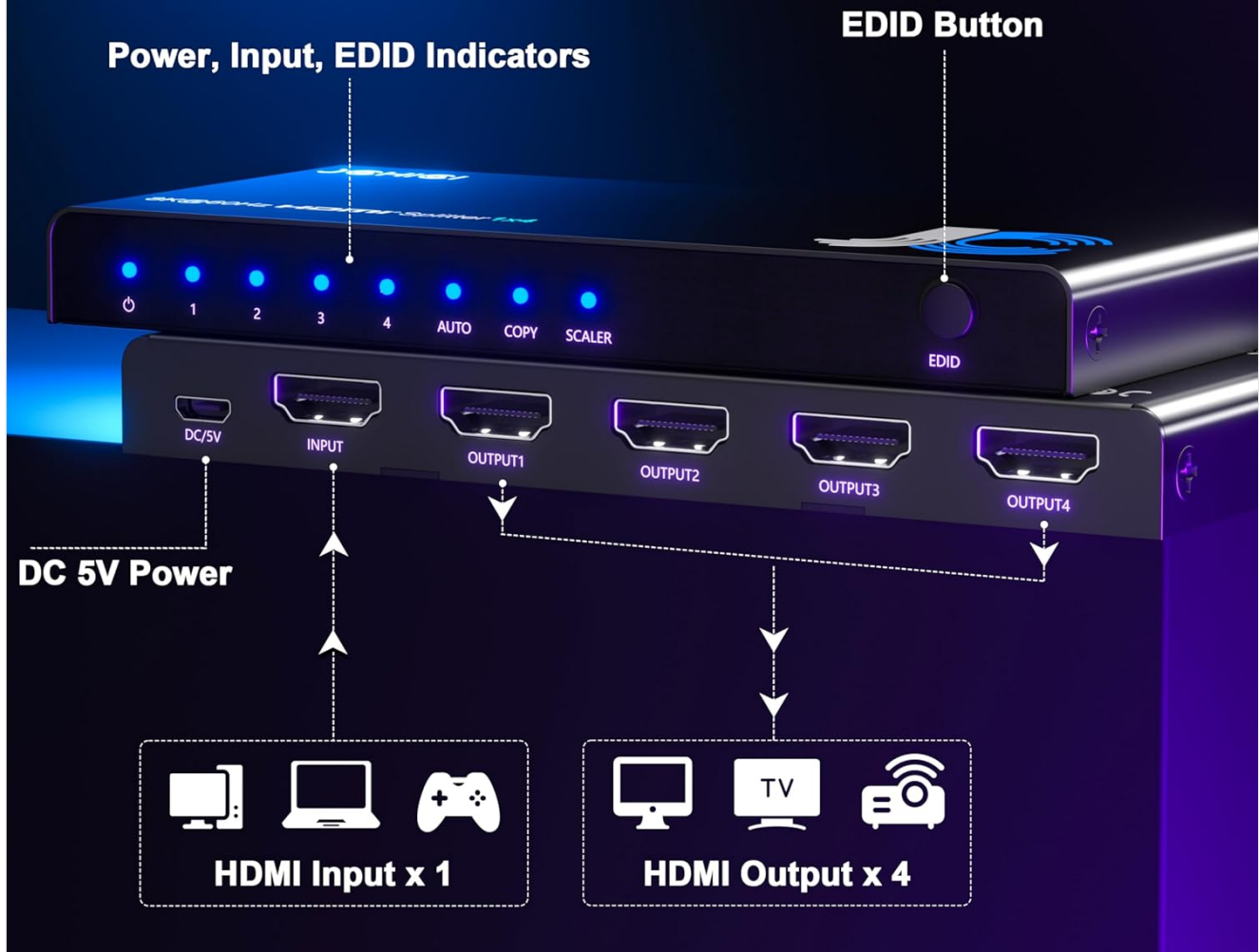


Figure 1: Front and Rear Panel Layout. The front panel features LED indicators for power, input, and EDID modes, along with the EDID button. The rear panel includes the DC 5V power input, one HDMI input, and four HDMI outputs.

Front Panel:

- **Power Indicator:** Illuminates when the device is powered on.
- **Input Indicators (1-4):** Show which HDMI output ports are active.
- **EDID Indicators (AUTO/COPY/SCALER):** Indicate the currently selected EDID mode.
- **EDID Button:** Used to cycle through the EDID modes (Auto, Copy, Scaler).

Rear Panel:

- **DC 5V Power Input:** Connect the provided power adapter here.
- **HDMI IN:** Connect your single HDMI source device (e.g., PS5, Xbox, Apple TV).
- **OUTPUT 1-4:** Connect up to four HDMI display devices (e.g., TVs, projectors, monitors).

4. SETUP INSTRUCTIONS

1. Ensure all devices (source, displays, and splitter) are powered off before making connections.
2. Connect your HDMI source device (e.g., gaming console, laptop) to the **HDMI IN** port on the splitter using a high-quality HDMI cable.
3. Connect up to four HDMI display devices (e.g., TV, monitor, projector) to the **OUTPUT 1-4** ports on the splitter using high-quality HDMI cables.
4. Connect the provided USB power cable to the **DC 5V** port on the splitter and then to the power adapter. Plug the power adapter into a wall outlet.
5. Power on the HDMI splitter. The power indicator LED should illuminate.
6. Power on your HDMI source device and all connected display devices.
7. The splitter will automatically detect the optimal resolution for all connected displays. If issues arise, adjust EDID modes as described in the Operating Instructions.



Figure 2: Example setup showing a laptop connected to the HDMI splitter, which then distributes the signal to four monitors.

5. OPERATING INSTRUCTIONS

The JCHICI HDMI Splitter features three EDID (Extended Display Identification Data) modes to ensure compatibility

and optimal performance across various display setups. Use the **EDID Button** on the front panel to cycle through these modes.

- **AUTO Mode:** The splitter automatically detects the resolution of all connected displays and outputs the lowest common resolution and audio format possible. This ensures signal compatibility with all devices.
- **COPY Mode:** The input device will output a signal according to the resolution and audio format of HDMI Output 1. If other output displays have a lower resolution than HDMI Output 1, the refresh rate will be automatically lowered to accommodate, while maintaining the audio format, HDR, and Deep Color settings.
- **SCALER Mode (Downscale):** Converts 4K@60Hz signals to 1080p for Full HD displays. 4K-compatible displays can continue to display 4K content. This mode is ideal for mixed 4K and 1080p setups.



Figure 3: Explanation of the three EDID modes for flexible display compatibility.

6. FEATURES

- **4K@60Hz Ultra HD & HDR Support:** Compliant with HDMI 2.0 standards, this splitter delivers stunning 4K resolution at 60Hz with HDR compatibility (HDR10 & Dolby Vision).
- **1-Input 4-Output HDMI Splitter:** Distributes one HDMI input signal to four HDMI output devices simultaneously without signal loss.
- **3 EDID Modes:** AUTO/COPY/SCALER modes optimize output settings for connected displays, maintaining stable video output even with mixed resolutions.
- **True Plug-and-Play Operation:** No drivers or software required for instant use with most mainstream devices.
- **High-Fidelity Audio Transmission:** Supports premium audio formats including DTS-HD, Dolby TrueHD, LPCM7.1, DTS, Dolby-AC3, and DSD.
- **External Power Supply:** Includes a power adapter for stronger, more stable HDMI signal transmission.



Figure 4: The splitter features clear LED indicators for each output port, simplifying operation.

7. COMPATIBILITY

The JCHICI HDMI Splitter is compatible with a wide range of HDMI source and display devices, including but not limited to:

- **Source Devices:** PS5, Xbox, Apple TV, Blu-ray players, DVD players, PCs, laptops, streaming boxes, cable boxes, video cameras.
- **Display Devices:** HDTVs, monitors, projectors, VR headsets.



Figure 5: Broad compatibility with common HDMI input and output devices across different operating systems.

8. USAGE SCENARIOS

This HDMI splitter is versatile and can be used in various settings:

- **Home Theater:** Duplicate your movie or game content to multiple TVs in different rooms.
- **Conference Rooms:** Share presentations or video content from a single laptop to several screens.
- **Retail Displays:** Showcase product information or advertisements on multiple screens from one source.
- **Gaming Setups:** Mirror your gameplay to a capture card and a monitor simultaneously.

9. TROUBLESHOOTING

If you encounter issues, please refer to the following common troubleshooting steps:

- **No Signal/Flickering Screen:**
 - Ensure all HDMI cables are securely connected.
 - Try using different HDMI cables, especially high-quality ones rated for 4K@60Hz.
 - Verify that the power adapter is correctly connected and the power indicator is on.
 - Cycle through the EDID modes (AUTO/COPY/SCALER) using the EDID button on the splitter.
 - Restart all connected devices (source, splitter, displays).
- **Resolution Issues:**
 - If using mixed resolution displays, try SCALER mode to downscale 4K to 1080p for compatible screens.
 - Ensure your source device's output resolution is compatible with all connected displays.
- **Audio Problems:**
 - Check audio settings on your source device and displays.
 - Ensure HDMI cables support the desired audio formats.

10. SPECIFICATIONS

| Feature | Detail |
|---------|--------|
|---------|--------|

| Feature | Detail |
|--------------------|--|
| Model Number | US1-HS104L-4K-BS |
| HDMI Compliance | HDMI 2.0 |
| HDCP Compliance | HDCP 2.2 |
| Video Resolution | Up to 4K@60Hz |
| Data Rate | 18Gbps |
| HDR Support | HDR10, Dolby Vision |
| Audio Formats | DTS-HD, Dolby TrueHD, LPCM7.1, DTS, Dolby-AC3, DSD |
| EDID Modes | AUTO, COPY, SCALER (Downscale) |
| Input Ports | 1 x HDMI |
| Output Ports | 4 x HDMI |
| Power Supply | DC 5V (via USB power cable and adapter) |
| Product Dimensions | 2 x 0.6 x 5 inches |
| Item Weight | 10.5 ounces |

11. WARRANTY AND SUPPORT

The JCHICI HDMI Splitter comes with a 2-year warranty and lifetime customer support. For any technical assistance or warranty claims, please contact our dedicated technical team.

12. OFFICIAL PRODUCT VIDEOS

HDMI 550BN Switch New (Preview)

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This video provides a brief overview of the HDMI switch, demonstrating its compact design and basic functionality. While it's a preview, it offers a quick visual reference for the product's physical aspects and how it might integrate into a setup.

8K 3x1 HDMI Switch - How to use

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This video demonstrates the setup and usage of an 8K 3x1 HDMI switch. Although it's a 3x1 switch and not the 1x4 model, the general connection principles and operation of an HDMI switch are similar and can be helpful for understanding the JCHICI splitter's functionality.