

Ilano H402

Ilano HDMI 2.1 Splitter (Model H402) User Manual

1 Input to 2 Outputs, 8K@60Hz / 4K@240Hz

1. INTRODUCTION

The Ilano HDMI 2.1 Splitter (Model H402) is designed to duplicate a single HDMI 2.1 input signal to two identical HDMI outputs. This device supports ultra-high resolutions up to 8K@60Hz and 4K@240Hz, ensuring stunning clarity and smooth motion. It is ideal for scenarios requiring the same content to be displayed on multiple screens, such as home theaters, presentations, or gaming setups. Please note that this splitter operates exclusively in mirror mode; it does not support extended desktop functionality where different content is displayed on each screen.

2. PACKAGE CONTENTS

- Ilano HDMI 2.1 Splitter (Model H402)
- USB-C Power Cable
- User Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and indicators on your Ilano HDMI 2.1 Splitter.

Wide Compatibility

HDMI Outputs



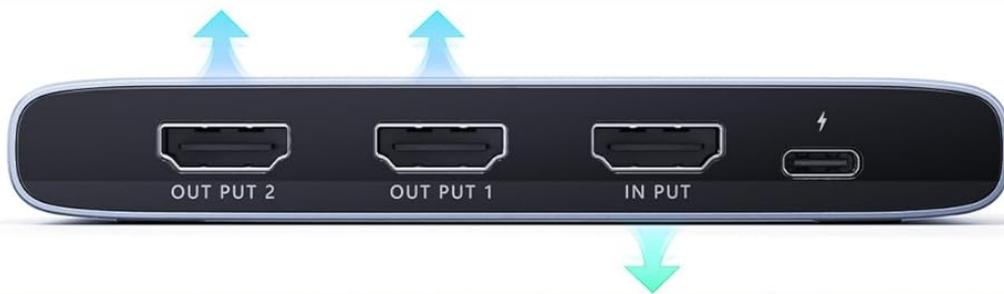
Monitor



TV



Projektor



HDMI Input



PS5/4/3



Switch1/2



Laptop/PC



Desktop



Xbox



TV Box

Image: Overview of the Ilano HDMI 2.1 Splitter, highlighting its input, two outputs, and USB-C power port, along with compatible devices and display types.

- **HDMI IN:** Connect your source device (e.g., PS5, Xbox, Laptop).
- **HDMI OUT 1 & OUT 2:** Connect to your display devices (e.g., TV, Monitor, Projektor).
- **USB-C Power Port:** Connect the provided USB-C cable to a 5V/2A power adapter (not included) for stable operation.
- **LED Indicators:** Lights indicate power status and active connections.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Ilano HDMI 2.1 Splitter:

1. **Power Off Devices:** Ensure all source and display devices are powered off before making connections.
2. **Connect Source:** Use a high-quality HDMI 2.1 cable (preferably under 3 meters) to connect your source device (e.g., PS5, laptop) to the HDMI IN port on the splitter.
3. **Connect Displays:** Use two high-quality HDMI 2.1 cables to connect your display devices (e.g., TV, monitor) to the HDMI OUT 1 and HDMI OUT 2 ports on the splitter.
4. **Connect Power:** Connect the provided USB-C power cable to the splitter's USB-C power port, and then connect the other end to a 5V/2A power adapter (not included). The power LED indicator on the splitter will light up.
5. **Power On Devices:** Power on your display devices first, then your source device. The splitter will automatically detect the input and output signals.

Video: Demonstration of connecting the Ilano HDMI 8K Splitter to a TV and monitor, showing the setup process and simultaneous display.

5. OPERATING INSTRUCTIONS

The Ilano HDMI 2.1 Splitter operates in a straightforward mirror mode:

- **Mirror Mode Only:** The splitter duplicates the single HDMI input signal to both connected output displays. Both screens will show identical content. Extended desktop mode, where each screen displays different content, is not supported.
- **Resolution Prioritization:** The video signal output will automatically adjust to the lowest resolution and refresh rate supported by **all** connected devices (source and both displays). For example, if your source supports 8K but one display only supports 4K, both outputs will be limited to 4K.
- **Automatic Detection:** The splitter features automatic signal detection. Once all devices are connected and powered on, it should automatically display content on both screens.

Mirror Screen Only

Output resolution matches the LOWEST supported by all connected displays.

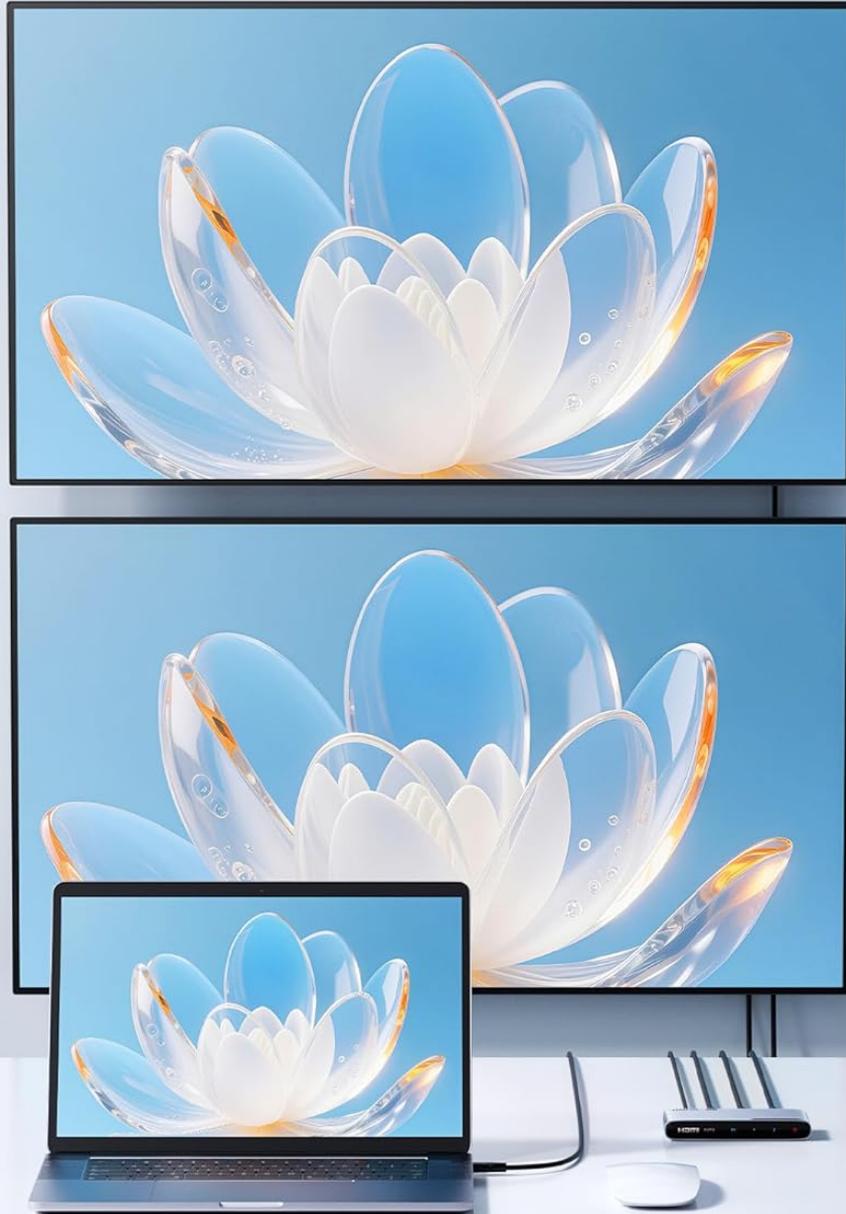


Image: Visual representation of the splitter's mirror screen functionality, where the output resolution matches the lowest supported by all connected displays.

Video: A user demonstrating the Ilano HDMI splitter connecting one input to two monitors, showing the mirrored display setup.

6. FEATURES

- **HDMI 2.1 Compliance:** Supports the latest HDMI 2.1 standard.
- **High Resolution Support:** Up to 8K@60Hz and 4K@240Hz.
- **Advanced Video Technologies:** Compatible with HDCP 2.3, HDR10, and Dolby Vision.

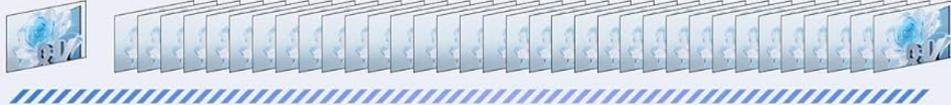
- **Stable Transmission:** Equipped with an advanced 8K chip for built-in signal amplification, ensuring ultra-low latency, no flickering, and enhanced anti-interference.
- **Aluminum Case:** Durable aluminum alloy shell for fast heat dissipation.

8K@60Hz Ultra High Resolution

Supports 8K@60Hz / 4K@240/
120/144/60Hz



240 FPS
4K 240 Hz



60 FPS
4K 60 Hz

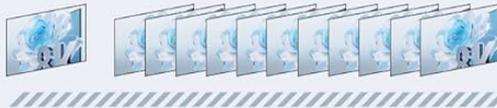
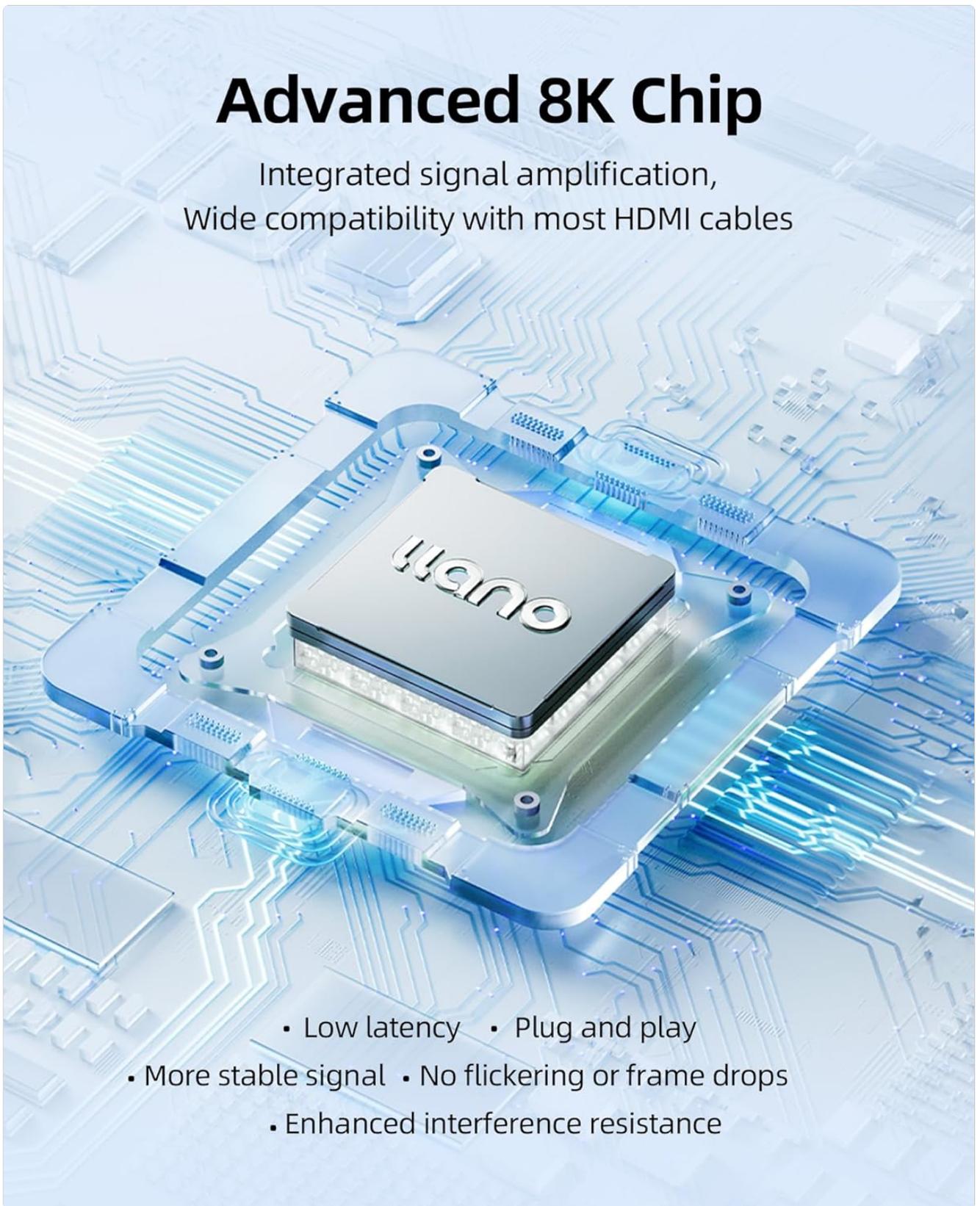


Image: Highlighting the splitter's support for 8K@60Hz and 4K@240Hz resolutions for superior visual quality.

Advanced 8K Chip

Integrated signal amplification,
Wide compatibility with most HDMI cables



- Low latency
- Plug and play
- More stable signal
- No flickering or frame drops
- Enhanced interference resistance

Image: Depiction of the advanced 8K chip integrated into the splitter, ensuring stable and high-quality signal transmission.

7. MAINTENANCE

- Keep the device in a cool, dry place away from direct sunlight and heat sources.
- Avoid exposing the device to water or excessive moisture.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure proper ventilation around the device to prevent overheating.
- Use only the provided USB-C power cable and a compatible 5V/2A power adapter.

8. TROUBLESHOOTING

- **No Signal on Displays:**

- Ensure all HDMI cables are securely connected to the correct ports (IN to source, OUT to displays).
- Verify the splitter is powered on and the power LED is illuminated.
- Check that your source device and display devices are powered on and functioning correctly.
- Try using different HDMI cables, especially high-quality HDMI 2.1 certified cables.
- Ensure the input source on your display devices is set to the correct HDMI port.

- **Resolution/Refresh Rate Issues:**

- Remember that the output resolution will be limited to the lowest common denominator of all connected devices. Check the specifications of your source and both displays.
- If experiencing issues with advanced features like ALLM/VRR, ensure all connected displays support these features.

- **Flickering or Unstable Signal:**

- Ensure the splitter is receiving adequate power from a 5V/2A adapter.
- Use shorter, high-quality HDMI 2.1 cables (under 3 meters is recommended for optimal performance).
- Minimize electromagnetic interference by keeping the splitter away from other electronic devices.

- **Only One Output Working:**

- Check the HDMI cable connection for the non-working output.
- Test the non-working display directly with the source device to rule out display issues.

9. SPECIFICATIONS

Model Number	H402
HDMI Version	HDMI 2.1
Input Ports	1 x HDMI
Output Ports	2 x HDMI
Max Resolution	8K@60Hz, 4K@240Hz, 4K@120Hz
HDCP Compliance	HDCP 2.3
HDR Support	HDR10, Dolby Vision
Operating Mode	Mirror Mode (SST) Only, No Extended Desktop
Power Supply	USB-C 5V/2A (Adapter not included)
Product Dimensions	1.97 x 3.15 x 0.98 inches
Item Weight	6 ounces
Material	Aluminum Case

10. WARRANTY AND SUPPORT

llano products are designed for reliability and performance. For warranty information, technical support, or any inquiries regarding your HDMI 2.1 Splitter, please refer to the contact details provided on the product packaging or visit the official llano website. Keep your purchase receipt for warranty claims.