

VEDINDUST 2025102103

VEDINDUST Splitter HDMI Extend 4K@60Hz to Dual HDMI Adapter User Manual

Model: 2025102103



1. INTRODUCTION

The VEDINDUST HDMI Splitter Extend is designed to connect a single HDMI source, such as a laptop or PC, to two HDMI displays simultaneously. This device supports both screen extension and duplication modes, allowing for enhanced multitasking or mirrored content display. It is compatible with Windows and macOS operating systems and supports resolutions up to 4K@60Hz on one output and 1080P@60Hz on the other.

This manual provides detailed instructions for setting up, operating, and troubleshooting your HDMI splitter to ensure optimal performance.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- VEDINDUST HDMI Splitter Extend Unit
- HDMI Cable
- USB-A 3.0 Cable
- User Manual

Packaging Accessories



HDMI Splitter



HDMI Cable



USB-A 3.0 Cable



User manual

Figure 2.1: Package Contents. The image displays the VEDINDUST HDMI Splitter unit, one HDMI cable, one USB-A 3.0 cable, and a user manual, representing all items included in the product packaging.

3. PRODUCT OVERVIEW

The VEDINDUST HDMI Splitter Extend features a robust aluminum casing for optimal heat dissipation and electromagnetic compatibility, ensuring durability and stable performance. It is designed for easy connection and operation.

3.1 Device Layout

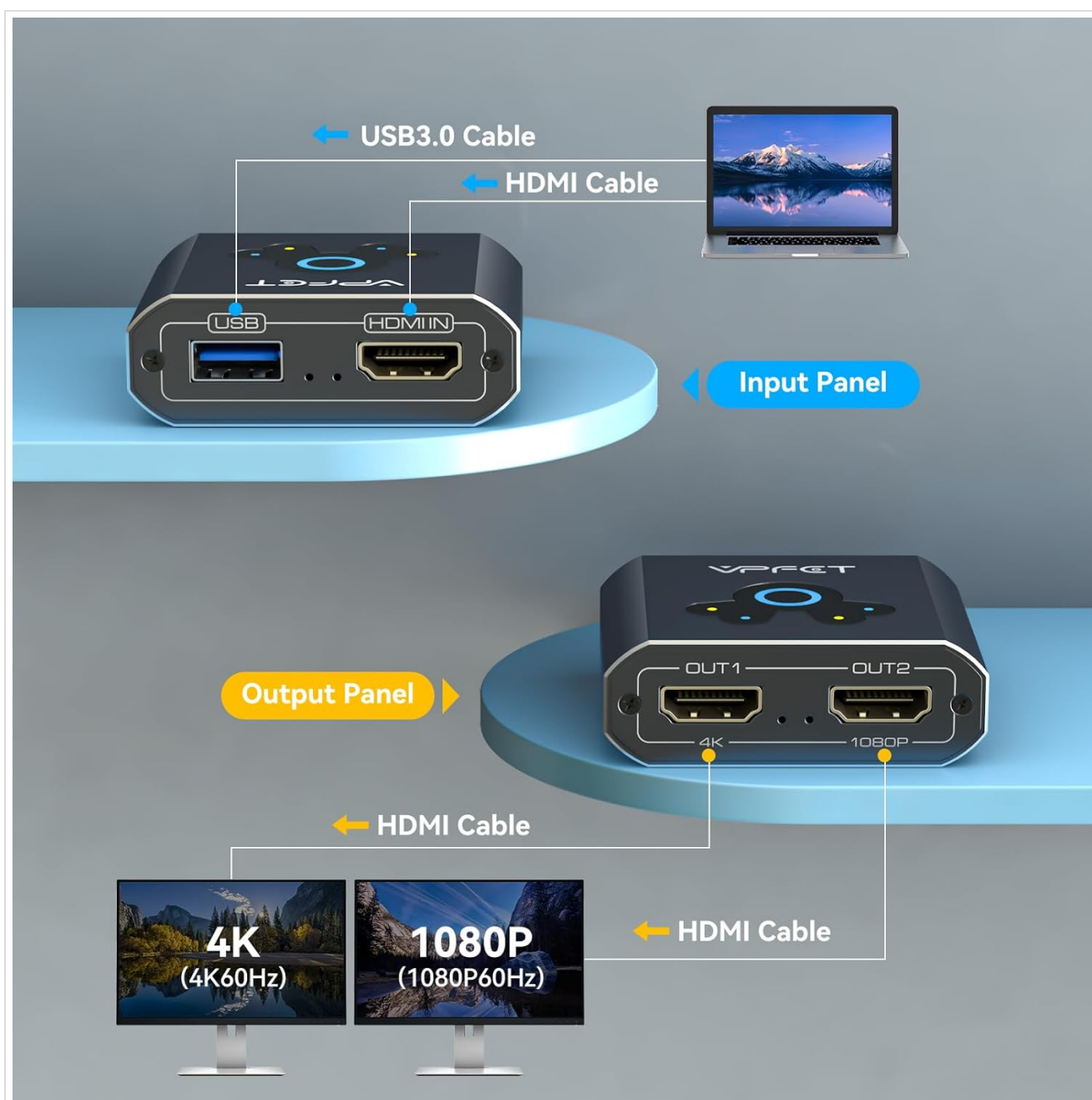


Figure 3.1: Input and Output Panels. This diagram illustrates the connections on the device: the input side features a USB 3.0 port and an HDMI IN port, while the output side provides two HDMI OUT ports, clearly marked for their maximum supported resolutions (OUT1 for 4K, OUT2 for 1080P).

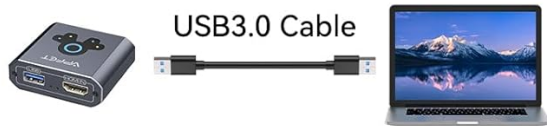
- **HDMI IN Port:** Connects to the HDMI output of your computer (laptop or desktop).
- **USB 3.0 Port:** Connects to a USB port on your computer. This connection is essential for power and driver installation, which determines the output resolution.
- **HDMI OUT1 Port:** Connects to your primary display. Supports up to 4K@60Hz resolution.
- **HDMI OUT2 Port:** Connects to your secondary display. Supports up to 1080P@60Hz resolution.

3.2 Compatible Devices

Installation driver steps

Adapter compatible with Windows and macOS systems

STEP 1



Connect the **USB3.0** of the device to the computer

STEP 2



USB Display

The computer drive will display a **USB display** driver disk

STEP 3



Open the **USB display** of the computer drive, install finish.

STEP 4



Connect HDMI cable to computer and monitor

Figure 3.2: Compatible Input and Output Devices. This image clarifies that the splitter is compatible with PC and laptop input sources, and monitors, TVs, and projectors as output displays. It explicitly states that HDMI source devices other than computers are not supported.

The splitter is designed for use with computers (laptops and desktop PCs) as input sources. It is compatible with various output displays including monitors, televisions, and projectors. Please note that it does not support HDMI source devices other than computers (e.g., gaming consoles, media players).

4. SETUP INSTRUCTIONS

Follow these steps to properly set up your VEDINDUST HDMI Splitter Extend:

Packaging Accessories



HDMI Splitter



HDMI Cable



USB-A 3.0 Cable



User manual

Figure 4.1: Installation Driver Steps. This visual guide outlines the four essential steps for setting up the HDMI splitter, emphasizing the critical driver installation process for both Windows and macOS systems.

1. **Connect USB Cable:** Connect the provided USB-A 3.0 cable from the splitter's USB port to an available USB port on your computer. This connection is crucial for both power and driver functionality.
2. **Driver Installation:**
 - **For Windows Systems:** After connecting the USB cable, your computer should automatically recognize the device and prompt for driver installation. If not, manually locate and run the driver file from the virtual disk that appears.
 - **For macOS Systems:** After connecting the USB cable, install and open the 'USB Display.app'. This application must remain running in the background for the splitter to function correctly.

Important: The USB connection and driver installation are mandatory for the device to operate and achieve the specified resolutions.

3. **Connect HDMI Cables:** Connect an HDMI cable from your computer's HDMI output to the HDMI IN port on the splitter. Then, connect HDMI cables from the splitter's OUT1 and OUT2 ports to your respective monitors, TVs, or projectors.
4. **Power On:** Ensure all devices (computer and displays) are powered on.

5. OPERATING INSTRUCTIONS

Once the splitter is set up, you can configure your display settings on your computer for either screen extension or duplication.

5.1 Display Modes



Figure 5.1: Supported Display Modes. This image demonstrates the three primary display configurations: extending the desktop across three screens (A-B-C), extending with one duplicated screen (A-B-B), and mirroring the primary display across all screens (A-A-A), all supported on Windows and macOS.

- **Screen Duplication (Mirror Mode):** Both connected monitors will display the exact same content as your computer's primary screen. This is useful for presentations or sharing content.
- **Screen Extension (Extend Mode):** Your computer's desktop will be extended across the two connected monitors, allowing you to have different content on each screen. This is ideal for multitasking and increasing your workspace.

5.2 Configuring Display Settings

To switch between duplication and extension modes, you must adjust the display settings within your computer's

operating system:

- **For Windows:** Right-click on your desktop, select 'Display settings', and then choose 'Extend these displays' or 'Duplicate these displays' as needed. You can also rearrange the displays.
- **For macOS:** Go to 'System Settings' (or 'System Preferences'), then 'Displays'. Here you can arrange your displays and select 'Mirror Displays' or use them as separate extended desktops.

5.3 Resolution Output



Figure 5.2: HDMI Dual Display Adapter Output. This image illustrates the maximum resolution capabilities of each output port: OUT1 supports up to 4K@60Hz, while OUT2 supports up to 1080P@60Hz, allowing for a dual-monitor setup with varying display qualities.

- **OUT1:** Supports a maximum resolution of 4K@60Hz. To achieve 4K@60Hz output, ensure both the HDMI cable and the USB cable are connected to a compatible USB 3.0 port on your computer.
- **OUT2:** Supports a maximum resolution of 1080P@60Hz.

The output resolution is also dependent on the USB version connected to your computer. When connected to a computer's USB 3.0 port, the maximum resolution for OUT1 is 4K@60Hz and for OUT2 is 1080P@60Hz. When connected to a USB 2.0 port, the maximum resolution for both outputs will be limited to 720P.

6. TROUBLESHOOTING

If you encounter issues with your VEDINDUST HDMI Splitter Extend, please refer to the following common solutions:

- **No Display/Black Screen:**
 - Ensure all HDMI and USB cables are securely connected.
 - Verify that the USB cable is connected to your computer and the necessary drivers are installed and running (especially for macOS, ensure 'USB Display.app' is active).
 - Check your computer's display settings to ensure the external monitors are detected and configured for either extend or duplicate mode.
 - Test with different HDMI cables or monitors to rule out faulty peripherals.
- **Incorrect Resolution/Lower Resolution Than Expected:**
 - Confirm that the USB cable is connected to a USB 3.0 port on your computer for optimal resolution (1080P for USB 3.0, 720P for USB 2.0).
 - Ensure the driver is correctly installed and updated.
 - Verify that your monitors support the desired resolution.
 - Remember that OUT1 supports up to 4K@60Hz, while OUT2 supports up to 1080P@60Hz.
- **Flickering Screen or Unstable Connection:**
 - Ensure the USB cable provides sufficient power. Try connecting to a different USB port or using a powered USB hub if available.
 - Check for any interference from other electronic devices.
 - Update your computer's graphics drivers.
- **Driver Installation Issues:**
 - For Windows, try running the driver installation file as an administrator.
 - For macOS, ensure you have granted necessary permissions for the 'USB Display.app' to run.
 - Temporarily disable antivirus software during installation if it interferes.

7. SPECIFICATIONS

Brand	VEDINDUST
Model Number	2025102103
Dimensions	20 x 13.2 x 3.8 cm
Weight	150 grams
Input Ports	1x HDMI IN, 1x USB 3.0
Output Ports	2x HDMI OUT (OUT1, OUT2)
Max Resolution (OUT1)	4K@60Hz
Max Resolution (OUT2)	1080P@60Hz
Video Bandwidth (OUT1)	Up to 18 Gbps

Video Bandwidth (OUT2)	Up to 3.2 Gbps
Compatible Devices	PC, Laptop, TV, Monitor, Projector
Operating Systems	Windows XP/7/8/10/11, macOS
Material	Aluminum Casing

8. WARRANTY AND SUPPORT

VEDINDUST is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, if you encounter any issues with your VEDINDUST HDMI Splitter Extend, please contact our customer support team immediately.


Our professional support staff will assist you with troubleshooting and provide a suitable solution. Please refer to the contact information provided on the product packaging or the official VEDINDUST website for support.



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Related Documents - 2025102103

<div>USER MANUAL</div> <div>HDMI Splitter Dual Monitor</div> <div>1.0.0 and 202511.01 (2025.10.01)</div>	<div>HDMI Splitter Dual Monitor User Manual - VEDINDUST SP911</div> <div>Comprehensive user manual for the VEDINDUST SP911 HDMI Splitter Dual Monitor. Provides detailed information on safety precautions, product features, technical specifications, panel layout, wiring diagrams, driver installation for Windows, and usage instructions, including troubleshooting for 4K and 1080P output.</div>
<div>USER MANUAL</div> <div>HDMI Audio Extraction</div> <div>3.0mm L/R Optical & Coaxial</div>	<div>HDMI Audio Extractor User Manual</div> <div>User manual for the HDMI Audio Extractor, detailing its features, specifications, panel description, EDID settings, wiring diagram, and troubleshooting.</div>
<div>USER MANUAL</div> <div>Dual Monitor KVM Switch 2x2</div> <div>4K60Hz USB-C</div>	<div>VEDINDUST Dual Monitor KVM Switch 2x2 4K60Hz USB-C User Manual</div> <div>Comprehensive user manual for the VEDINDUST Dual Monitor KVM Switch 2x2, featuring 4K60Hz resolution and USB-C connectivity. It covers safety precautions, features, specifications, package contents, connection diagrams, and troubleshooting.</div>
<div>USER MANUAL</div> <div>Dual Monitor KVM Switch 2x2</div> <div>8K60Hz USB-C</div>	<div>VEDINDUST Dual Monitor KVM Switch 2x2 8K60Hz USB-C User Manual</div> <div>Comprehensive user manual for the VEDINDUST Dual Monitor KVM Switch 2x2, featuring 8K60Hz resolution and USB-C connectivity. This guide details safety precautions, product features, technical specifications, package contents, connection diagrams for HDMI and DisplayPort setups, and troubleshooting steps for seamless operation of two computers with shared peripherals.</div>

<div><div>USER MANUAL</div><div>USB 3.0 Switch/Split</div><div>Bi-Directional 2 in 1 Out / 1 in 2 Out</div></div>	<div><div>USB 3.0 Switch/Splitter User Manual: Bi-directional 2-in-1-out / 1-in-2-out</div><div>Comprehensive user manual for the VEDINDUST USB 3.0 Switch/Splitter. Learn how to use, install, and troubleshoot this bi-directional 2-in-1-out / 1-in-2-out device for sharing USB peripherals.</div></div>
<div><div>USER MANUAL</div><div>3.5mm Stereo Audio Selector Switch Box</div><div>Bi-Directional 2 Ports Audio Splitter Box (1 In 2 Out 2 In 1 Out)</div><div></div></div>	<div><div>3.5mm Stereo Audio Selector Switch Box User Manual</div><div>User manual for the VEDINDUST 3.5mm Stereo Audio Selector Switch Box, a bi-directional 2-port audio splitter. This guide details safety instructions, package contents, specifications, features, panel description, connection diagrams, and usage modes for the audio switcher.</div></div>