

## IVANKY VBJ24

# IVANKY Active DisplayPort to HDMI Adapter (8K@60Hz) User Manual

Model: VBJ24

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your IVANKY Active DisplayPort to HDMI Adapter. This adapter facilitates the conversion of a DisplayPort signal to an HDMI signal, supporting resolutions up to 8K at 60Hz. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.



Image 1: The IVANKY Active DisplayPort to HDMI Adapter, showing the DisplayPort male connector, the braided cable, and the HDMI female port with "8K UHD" label.

## 2. PRODUCT FEATURES

- **8K@60Hz Ultra HD Support:** Supports resolutions up to 8K (7680x4320) at 60Hz, providing up to 32Gbps bandwidth for stable audio/video transmission.
- **Active Conversion:** Features an advanced chip design for active signal conversion, ensuring compatibility and stable performance.
- **Uni-Directional Design:** Converts signals exclusively from DisplayPort (source device) to HDMI (display device). It is not bi-directional.
- **Wide Compatibility:** Compatible with DisplayPort 1.4/1.2, HDMI 2.1/2.0, HDCP 1.3/1.4/2.2, and HBR2 specifications.
- **Durable Construction:** Features a reinforced aluminum shell, nylon weaving, and 24K gold-plated connectors for enhanced durability and corrosion resistance.
- **Plug and Play:** No driver installation required for operation.

### 3. SETUP INSTRUCTIONS

Follow these steps to connect your IVANKY Active DisplayPort to HDMI Adapter:

1. **Identify Ports:** Ensure your source device (e.g., laptop, desktop, GPU) has a DisplayPort output and your display device (e.g., TV, monitor, projector) has an HDMI input.
2. **Connect to Source:** Insert the male DisplayPort connector of the adapter into the DisplayPort output of your source device.
3. **Connect to Display:** Connect an HDMI cable (not included) to the female HDMI port of the adapter. Then, connect the other end of the HDMI cable to the HDMI input of your display device.
4. **Power On:** Power on both your source device and your display device.
5. **Select Input:** On your display device, select the correct HDMI input source.

**Important Note:**

- This adapter is uni-directional: DisplayPort (source) to HDMI (display). It will not work from HDMI to DisplayPort.
- Incompatible with Mini DisplayPort, USB-C (Thunderbolt 3), Mini HDMI, or Micro USB ports.

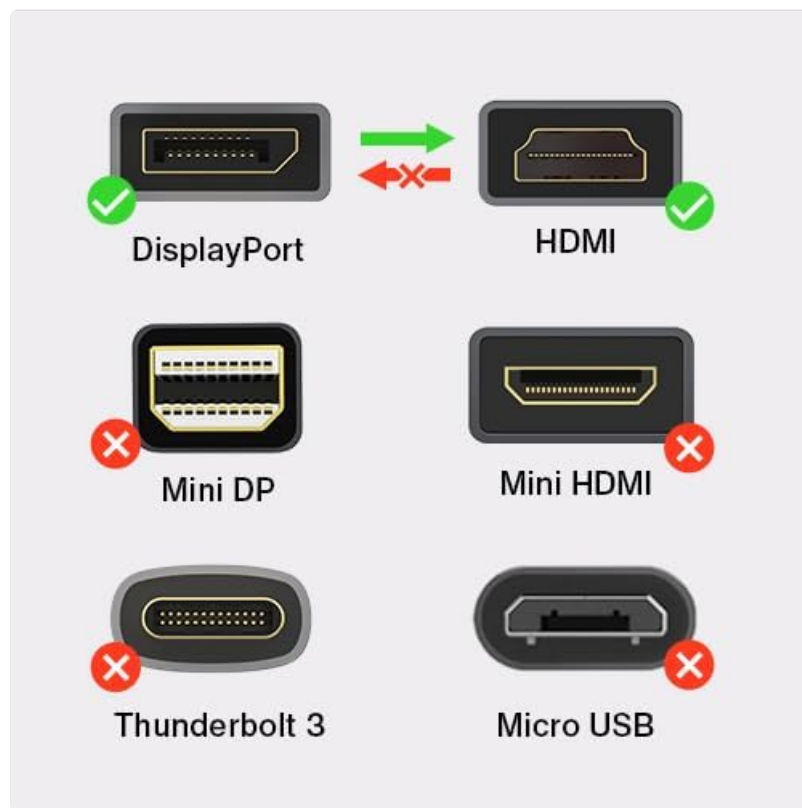


Image 2: Diagram illustrating the correct uni-directional connection from DisplayPort to HDMI, and incompatible port types such as Mini DP, Mini HDMI, Thunderbolt 3, and Micro USB.

### 4. OPERATING INSTRUCTIONS

Once connected, the adapter functions as a direct video and audio pass-through. Your computer should automatically detect the connected display.

- **Display Modes:** You can configure your display settings on your computer to extend your desktop, duplicate your display, or use only the external display. These settings are typically found in your

operating system's display settings (e.g., Windows Display Settings, macOS System Preferences > Displays).

- **Resolution and Refresh Rate:** The adapter supports up to 8K@60Hz. Ensure your source device, HDMI cable, and display device all support the desired resolution and refresh rate for optimal performance.

# Extend Your Workspace

Perfect for working from home, participating in online meetings, and more.



Image 3: A laptop connected to an external monitor, demonstrating an extended workspace setup using the adapter.

## 5. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **No Signal/Black Screen:**
  - Ensure all connections are secure.
  - Verify the display is set to the correct HDMI input.
  - Confirm the adapter is connected from DisplayPort (source) to HDMI (display), not the other way around.
  - Test with a different HDMI cable.

- Restart your source device and display.

- **Flickering or Unstable Image:**

- Check if your HDMI cable supports the desired resolution and refresh rate (e.g., 8K@60Hz requires a high-speed HDMI cable).
- Ensure your graphics drivers are up to date.
- Reduce the resolution or refresh rate in your computer's display settings to see if stability improves.
- Ensure the adapter is not being physically disturbed during operation.

- **Incorrect Resolution/Refresh Rate:**

- Verify that your source device and display both support the desired resolution and refresh rate.
- Adjust display settings on your computer.

- **No Audio:**

- Check your computer's sound settings to ensure the HDMI output is selected as the default audio device.
- Ensure your display device has working speakers or is connected to external audio.

## Flickering-Free Experience

Enjoy smooth images without lag or screen tearing.





Image 4: Visual comparison demonstrating the difference between 30Hz and 60Hz refresh rates, highlighting the smooth, flicker-free experience at higher refresh rates.

## 6. SPECIFICATIONS

|                |   |
|----------------|---|
| Model Number   | VBJ24   |
| Connector Type | DisplayPort Male to HDMI Female                           |
| Max Resolution | 8K (7680x4320) @ 60Hz                                     |
| Bandwidth      | Up to 32Gbps  |
| Compatibility  | DisplayPort 1.4/1.2, HDMI 2.1/2.0, HDCP 1.3/1.4/2.2, HBR2 |
| Cable Length   | 0.65ft / 20cm   |
| Weight         | 0.317 ounces  |

## 7. MAINTENANCE

To ensure the longevity and proper functioning of your adapter, follow these maintenance guidelines:







- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid using liquid cleaners or solvents.
- **Handling:** Avoid bending the cable sharply or applying excessive force to the connectors. Always grasp the connector housing when plugging or unplugging.
- **Protection:** Keep the adapter away from dust and moisture.

## 8. WARRANTY AND SUPPORT

IVANKY products undergo meticulous testing to ensure high quality standards. For any questions or assistance, please contact IVANKY's customer support team.

- **Customer Support:** Our friendly support team is ready to help within 24 hours.
- **Technical Support:** Expert technical support is provided to all customers.
- **Warranty:** Enjoy conditional customer support for up to 54 months.

For further assistance, please visit the official IVANKY website or contact their customer service directly.

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| <br><small>Product details &amp; guarantee</small><br><small>ivanky@support.com</small><br><small>www.ivanky.com</small>   | <p><a href="#">iVANKY 20-in-1 Thunderbolt 4 Docking Station User Guide and Warranty Information</a></p> <p>Comprehensive guide to the iVANKY 20-in-1 Thunderbolt 4 Docking Station, covering troubleshooting tips for port connectivity and display resolution, along with details on the 18-month limited warranty and 54-month extended warranty registration.</p> |
| <br><small>Product details &amp; guarantee</small><br><small>ivanky@support.com</small><br><small>www.ivanky.com</small>   | <p><a href="#">iVANKY 6-in-1 Steam Deck Docking Station with HDMI 2.0 - HB0603</a></p> <p>Detailed product information and warranty for the iVANKY 6-in-1 Steam Deck Docking Station (HB0603), featuring HDMI 2.0 4K@60Hz, Gigabit Ethernet, USB 3.0, and USB-C charging. Compatible with Steam Deck, iPads, and Android phones.</p>                                 |
| <br><small>Product Details &amp; Guarantee</small><br><small>ivanky@support.com</small><br><small>www.ivanky.com</small>   | <p><a href="#">iVANKY FusionDock Pro 1: Product Details, Usage Tips, and Warranty Information</a></p> <p>A comprehensive guide to the iVANKY FusionDock Pro 1 docking station, covering installation of DisplayLink drivers for triple display on macOS, troubleshooting common issues, and details of the 18-month limited warranty.</p>                            |
|    | <p><a href="#">iVANKY Fusion Wireless Charger Pro 1st Gen (VEA02) User Manual</a></p> <p>Official user manual for the iVANKY Fusion Wireless Charger Pro (1st Gen, model VEA02). Learn about product introduction, components, specifications, usage instructions, precautions, and troubleshooting.</p>   |
| <br><small>Product details &amp; guarantee</small><br><small>ivanky@support.com</small><br><small>www.ivanky.com</small> | <p><a href="#">iVANKY 20-in-1 Thunderbolt 4 Docking Station User Guide and Warranty Information</a></p> <p>Comprehensive guide to the iVANKY 20-in-1 Thunderbolt 4 Docking Station, covering troubleshooting tips for port connectivity and display resolution, along with details on the 18-month limited warranty and 54-month extended warranty registration.</p> |
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