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VENTION Wireless HDMI Transmitter and Receiver User Manual

Model: ADCL0

1. PRODUCT OVERVIEW

The VENTION Wireless HDMI Transmitter and Receiver kit provides a seamless solution for extending HDMI signals wirelessly. It eliminates the need for long HDMI cables, offering a plug-and-play experience for various applications including presentations, home entertainment, and gaming. This system supports high-definition video transmission up to 1080P@60Hz over distances of up to 50 meters (164 feet) in open environments.



Image: The VENTION Wireless HDMI Transmitter (TX) and Receiver (RX) units.

2. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- 1 x VENTION Wireless HDMI Transmitter (TX)
- 1 x VENTION Wireless HDMI Receiver (RX)
- USB-C Power Cable(s) (for RX and optional for TX)
- User Manual (this document)

3. SETUP INSTRUCTIONS

Follow these steps to set up your VENTION Wireless HDMI system:

1. **Connect the Receiver (RX):** Plug the HDMI Receiver (RX) into an available HDMI input port on your display device (e.g., HDTV, projector, monitor). Connect the provided USB-C power cable to the RX unit and a power

source (e.g., USB wall adapter, TV USB port). The RX unit requires external power to function.

- 2. Adjust Input Source:** On your display device, select the correct HDMI input source that the RX unit is connected to. This will allow the display to receive the signal from the wireless system.
- 3. Connect the Transmitter (TX):** Plug the HDMI Transmitter (TX) into the HDMI output port of your source device (e.g., PC, laptop, gaming console, camera). The TX unit can often draw power directly from the HDMI port. If the TX unit does not power on or the signal is unstable, connect a USB-C power cable to the TX unit and a power source.



Image: Step-by-step connection guide for the VENTION Wireless HDMI system, illustrating how to connect the RX to the display, select the input, and connect the TX to the source device.

The system is designed for plug-and-play operation, requiring no driver installation, Bluetooth pairing, or Wi-Fi configuration.



Image: The VENTION Wireless HDMI system highlighting its plug-and-play functionality, requiring no WiFi, Bluetooth, or app for setup.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once both the Transmitter (TX) and Receiver (RX) are connected and powered, the system will automatically establish a wireless connection. Your source device's display should appear on the connected monitor/projector.

4.2 Display Modes (Mirror/Extend)

The system supports both Mirror and Extend display modes, depending on your source device's capabilities and settings:

- **Mirror Mode:** Displays the same content on both your source device's screen and the external display.
- **Extend Mode:** Allows you to extend your desktop across both your source device's screen and the external display, providing more workspace. *Note: Ensure your computer supports extended mode.*

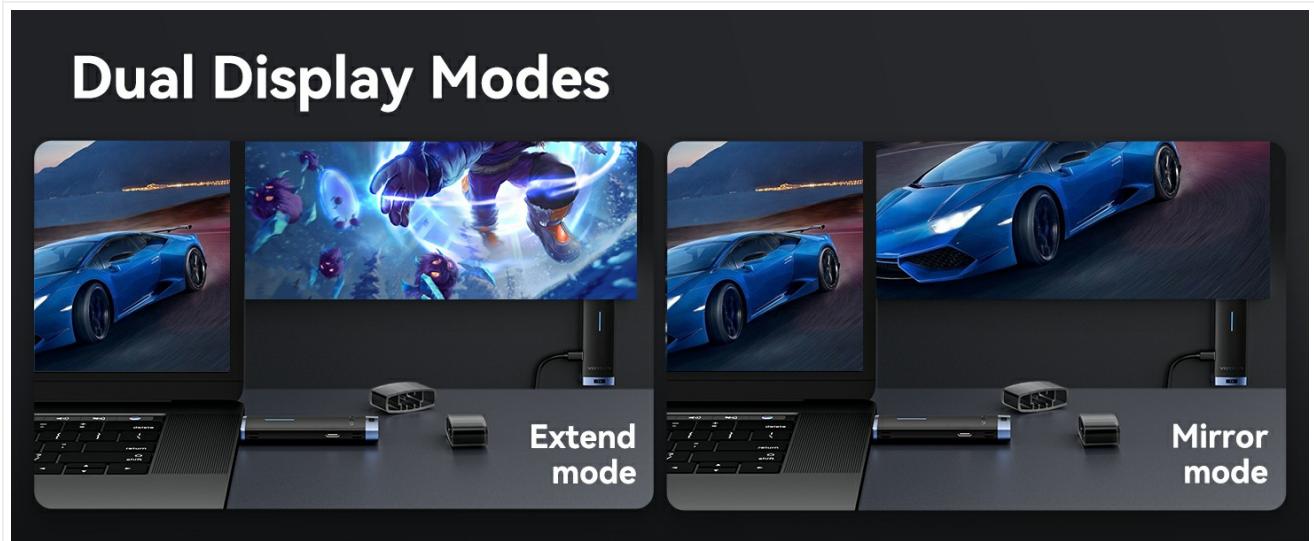


Image: Visual representation of Mirror mode, where both screens show identical content, and Extend mode, where screens display different content.

4.3 Multiple Transmitters to One Receiver

The VENTION Wireless HDMI system allows for multiple transmitters to connect to a single receiver. This feature is particularly useful in conference settings, enabling quick switching between different presenters or source devices. Up to 8 pairs of kits can be used in the same location without interference.

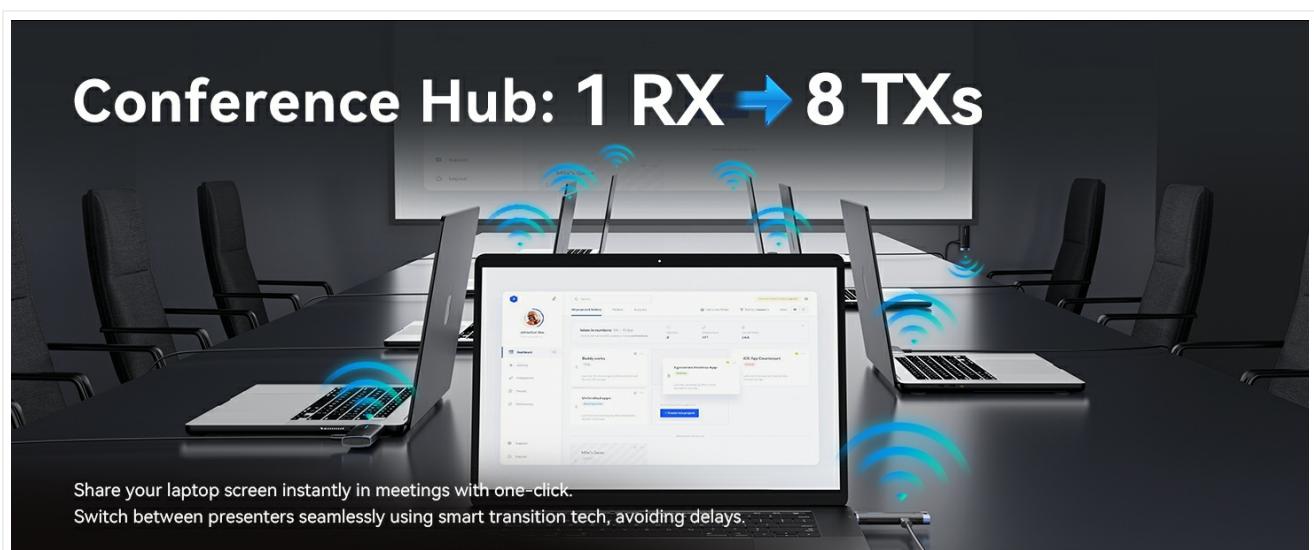


Image: A conference room setup demonstrating one receiver connected to a display, receiving signals from multiple laptops equipped with transmitters, allowing for seamless switching.

4.4 Wireless Transmission Range

The system utilizes advanced 5GHz transmission technology for stable and efficient signal transfer. It offers a transmission range of up to 50 meters (164 feet) in environments with minimal interference. Please note that obstacles such as walls or floors can reduce the effective range to approximately 10 meters (32 feet).

164FT/50M Long-Range Wireless Transmission



Image: An illustration depicting the wireless transmission range of up to 50 meters (164 feet) in an open environment, with a note about reduced range through obstacles.

5. MAINTENANCE

To ensure the longevity and optimal performance of your VENTION Wireless HDMI system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid using liquid cleaners, aerosols, or solvents, as these may damage the product.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the transmitter and receiver with care. Avoid dropping them or subjecting them to strong impacts.
- **Power:** Always use the provided USB-C power cables or certified equivalents to power the devices.

6. TROUBLESHOOTING

If you encounter issues with your VENTION Wireless HDMI system, refer to the following common problems and solutions:

| Problem | Possible Cause / Solution |
|---------------------------|---|
| No signal or black screen | <p>Ensure both TX and RX units are properly powered. The RX unit <i>must</i> be powered via USB-C.</p> <p>Verify that the HDMI cables are securely connected to both the source and display devices.</p> <p>Check if the display device is set to the correct HDMI input source.</p> <p>Try connecting the TX unit to an external USB-C power source if it's not receiving enough power from the HDMI port.</p> <p>Reduce the distance between the TX and RX units, or remove any obstructions.</p> |

| Problem | Possible Cause / Solution |
|---|---|
| Intermittent signal or flickering screen | <p>Interference from other wireless devices (e.g., Wi-Fi routers, cordless phones). Try to move the units away from such devices.</p> <p>Distance too great or too many obstructions. Shorten the distance or clear the line of sight.</p> <p>Ensure both TX and RX units have stable power supply.</p> |
| No audio | <p>Check audio settings on your source device and display.</p> <p>Ensure the HDMI connection supports audio transmission.</p> |
| Cannot stream copyrighted content (e.g., Netflix, Prime Video, YouTube) | Some streaming services implement HDCP (High-bandwidth Digital Content Protection) which may prevent wireless transmission of copyrighted material. This is a limitation of HDCP, not a defect of the device. |
| Device gets hot quickly | It is normal for electronic devices to generate some heat during operation. Ensure adequate ventilation around the units. If overheating causes performance issues, discontinue use and contact support. |

7. SPECIFICATIONS

| Feature | Detail |
|--------------------------|--|
| Model Number | ADCL0 |
| Product Dimensions | 1.26 x 4.13 x 0.49 inches |
| Item Weight | 6.4 ounces |
| Wireless Frequency | 5GHz |
| Transmission Range | Up to 50m (164ft) in open environments; approx. 10m (32ft) through walls/floors |
| Video Resolution Support | Up to 1920x1080@60Hz (1080P@60Hz) |
| Compatibility | HD TVs, Projectors, Laptops, Cameras, Cable Boxes, PCs, DVDs, Gaming Consoles, Tablets |
| Connector Type | HDMI |
| Power Input | USB-C (RX required, TX optional) |
| Multiple TX to RX | Supports up to 8 transmitters to one receiver |

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VENTION website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: VENTION

Contact: Please visit the [VENTION Store on Amazon](#) or their official website for support resources.

