

VENTION ADP

VENTION Wireless HDMI Transmitter and Receiver (Model ADP) User Manual

Model: ADP | Brand: VENTION

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your VENTION Wireless HDMI Transmitter and Receiver kit (Model ADP). This device allows for wireless transmission of HDMI signals, supporting up to 4K decoding and 1080p@60fps output, with a transmission range of up to 656 feet (200 meters) in optimal conditions. Please read this manual thoroughly before use to ensure proper functionality and safety.

PACKAGE CONTENTS

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

- Wireless HDMI Transmitter (1 unit)
- Wireless HDMI Receiver (1 unit)
- USB-C to HDMI Adapter
- Mini HDMI Adapter
- Micro HDMI Adapter
- USB-C Power Cord (2 units)
- HDMI Extension Cable (0.2m)
- User Manual



Image: All components included in the VENTION Wireless HDMI kit.

PRODUCT OVERVIEW

Transmitter (TX) and Receiver (RX)

The VENTION Wireless HDMI system consists of two main units: a Transmitter (TX) and a Receiver (RX). Both units are compact and designed for easy integration into your existing setup. The Transmitter connects to your source device (e.g., laptop, PC, TV box), while the Receiver connects to your display device (e.g., TV, monitor, projector).

LED Indicators

Both the Transmitter and Receiver feature an LED display that provides real-time status information. This helps in monitoring the connection and identifying potential issues quickly.

- **Connection Status:** Indicates if the TX and RX units are successfully paired.
- **Signal Strength:** Shows the strength of the wireless signal.
- **HDMI Indicator:** Confirms HDMI input/output is active.
- **Fault Light:** Illuminates if an error or insufficient power is detected (Red light indicates insufficient power; please use a 5V/2A power adapter).



656FT MAX

Note: The above data are obtained from VENTION laboratory testing

Configuration	Distance
1 TX to 1 RX	200M/656FT
1 TX to 2 RX	120M/394FT
1 TX to 3 RX	80M/263FT
1 TX to 4 RX	80M/263FT MAX

Image: Detailed view of the LED status display on the VENTION Wireless HDMI unit.

SETUP INSTRUCTIONS

Initial Connection (Plug & Play)

The VENTION Wireless HDMI kit is designed for plug-and-play operation. Follow these steps for a quick setup:

1. **Power the Units:** Connect the provided USB-C power cords to both the Transmitter (TX) and Receiver (RX) units. Plug the other end of the USB-C power cords into a 5V/2A USB power source (e.g., a wall adapter or a USB port on your device/display). Ensure the power indicator lights up on both units.

2. **Connect Receiver (RX):** Plug the Receiver (RX) into an available HDMI input port on your monitor, TV, or projector.
3. **Connect Transmitter (TX):** Plug the Transmitter (TX) into the HDMI output port of your source device (e.g., laptop, PC, TV box, gaming console). Use the appropriate adapter (Mini HDMI, Micro HDMI, or USB-C to HDMI) if your source device requires it.
4. **Automatic Pairing:** Wait approximately 5 seconds. The Transmitter and Receiver will automatically pair. The connection indicator on both units will light up when the connection is complete.



Image: Step-by-step connection guide for the VENTION Wireless HDMI kit.

Re-pairing Devices (If Connection Fails)

If the devices do not connect automatically or lose connection, you can manually re-pair them:

1. **Receiver Pairing Mode:** With the Receiver (RX) powered on and connected to your display, press and hold its function key for more than 5 seconds. The display will show a prompt indicating "Pairing Timeout: 80S" or similar, signifying it's in pairing mode.
2. **Transmitter Pairing:** With the Transmitter (TX) powered on and connected to your source device, press and hold its function key for more than 5 seconds. The device connection will be confirmed automatically.

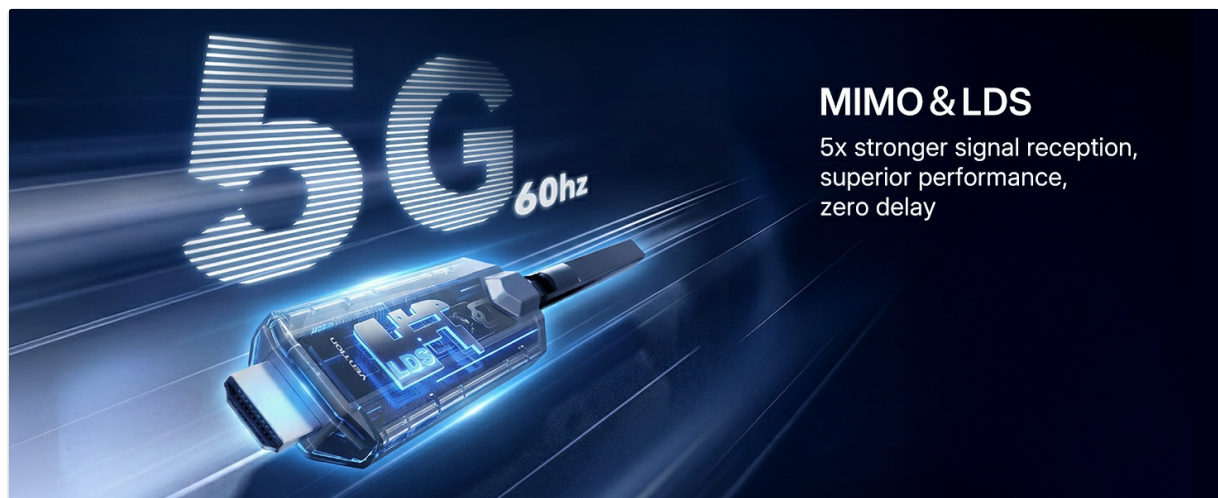


Image: Instructions for manually re-pairing the Transmitter and Receiver units.

OPERATING INSTRUCTIONS

Mirror and Extend Modes

The VENTION Wireless HDMI system supports both Mirror and Extend display modes, allowing you to duplicate your source screen or extend your desktop onto the connected display. Ensure your computer supports extended mode for this functionality.



Image: Visual representation of Extend and Mirror display modes.

Multi-Display Expansion

While your current kit includes one Transmitter and one Receiver, the VENTION Wireless HDMI system is capable of supporting up to four Receivers (RX) with a single Transmitter (TX) for multi-display expansion. This allows for seamless syncing of video, audio, and presentations across multiple screens without additional setup.

Up to 4 Receivers

Plug & Play, support multi-display expansion



No Wifi



No Bluetooth



No APP



No Setting



Image: Multi-display expansion with one Transmitter and up to four Receivers.

Official Product Video

Your browser does not support the video tag.

Video: Official product overview of the VENTION Wireless HDMI Transmitter and Receivers, demonstrating its features and capabilities.

COMPATIBILITY

The VENTION Wireless HDMI Kit offers broad compatibility with a wide range of devices. It is designed to seamlessly connect with most HDMI-enabled equipment.

Transmitter (TX) Compatible Devices

- Laptops
- Desktop PCs
- TV Boxes
- Gaming Consoles
- Cameras
- Security Cameras
- Smartphones/Tablets (requires support for video protocols)

Receiver (RX) Compatible Devices

- Smart TVs
- Monitors
- Projectors

Multiple Usage Scenarios



Business Meetings



Home Entertainment



Teaching Presentation



Gaming Entertainment



Live streaming

Image: Overview of compatible devices for both the Transmitter and Receiver.

SPECIFICATIONS

Feature	Detail
Product Dimensions	3.74 x 1.18 x 0.63 inches
Item Weight	6.3 ounces
Model Number	ADP

Feature	Detail
Brand	VENTION
Connectivity Technology	HDMI
Controller Type	Push Button
Special Feature	LED Display
Compatible Devices	Laptop, Smart TV, PC, Projector, TV Box, Camera, Security Camera, Smartphones/Tablets (with video protocol support)
Connector Type	HDMI
Audio Output Mode	Stereo, Surround
Surround Sound Channel Configuration	7.1
Video Encoding	H.264, H.265/HEVC
Transmission Distance	Up to 656ft (200m) in open areas; 80-100m indoors without walls; 10-30m with one wall barrier.
Output Resolution	1080p@60fps (4K decoding supported)
Multi-Receiver Support	Up to 4 Receivers with one Transmitter (up to 6 devices with "TuTuPlay" app)

MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid cleaners or aerosols, as they may damage the device.
- **Storage:** When not in use for extended periods, store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Heat Management:** The units feature an advanced thermal design. Ensure proper ventilation around the devices to prevent overheating, especially during prolonged operation. Do not block the heat vents.
- **Cable Care:** Handle HDMI and USB-C cables gently. Avoid bending them sharply or placing heavy objects on them to prevent damage.

TROUBLESHOOTING

If you encounter issues with your VENTION Wireless HDMI kit, please refer to the following common solutions:

No Signal or Disconnection

- **Check Power:** Ensure both the Transmitter (TX) and Receiver (RX) are properly powered with a 5V/2A USB power source. The power indicator should be lit.
- **Verify Connections:** Confirm that the HDMI cables are securely connected to both the source device and the display, and that the TX and RX units are firmly plugged into their respective HDMI ports.
- **Re-pair Devices:** If the connection indicator is not lit, follow the "Re-pairing Devices" steps in the Setup section.
- **Reduce Obstacles:** Wireless transmission can be affected by solid walls and other obstacles. Try to minimize physical barriers between the TX and RX units.
- **Distance:** Ensure the devices are within the effective transmission range (up to 656ft/200m in open areas, less with obstacles).
- **Source/Display Settings:** Check your source device's display settings to ensure it's outputting to the correct HDMI port and your display is set to the correct input.

Poor Image Quality or Lag

- **Signal Strength:** Check the signal strength indicator on the LED display. A weak signal can lead to reduced quality or lag. Try repositioning the units for better signal reception.
- **Interference:** Other wireless devices operating on 2.4GHz or 5GHz frequencies might cause interference. Try to move the units away from such devices.
- **Power Supply:** Insufficient power can affect performance. Ensure you are using a stable 5V/2A power adapter for both units.
- **Source Resolution:** While the system supports 4K decoding, the output is 1080p@60fps. Ensure your source device's output resolution is compatible.

WARRANTY AND SUPPORT

VENTION provides a full 24-month replacement warranty for this product, ensuring peace of mind. For any technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact VENTION customer support through the official channels where you purchased the product. For more information and support, you may visit the [VENTION Official Store on Amazon](#).