

## VENTION Wireless HDMI Dongle & 4K HDMI Switch

# VENTION Wireless HDMI Dongle Transmitter and Receiver & 4K HDMI Switch User Manual

Model: Wireless HDMI Dongle & 4K HDMI Switch

## 1. INTRODUCTION

Thank you for choosing the VENTION Wireless HDMI Dongle Transmitter and Receiver, combined with the VENTION 4K HDMI Switch. This manual provides detailed instructions for the setup, operation, and maintenance of your devices, ensuring optimal performance and a seamless audio-visual experience. Please read this manual thoroughly before use and retain it for future reference.

## 2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon unpacking:

- 1x VENTION Wireless HDMI Transmitter (TX)
- 1x VENTION Wireless HDMI Receiver (RX)
- 1x VENTION 4K HDMI Switch (2 In 1 Out)
- 1x USB-C Power Cable (for RX and HDMI Switch)
- 1x User Manual (this document)

## 3. PRODUCT OVERVIEW

### 3.1 VENTION Wireless HDMI Dongle (TX & RX)

The VENTION Wireless HDMI Dongle system allows for wireless transmission of HDMI signals up to 131 feet (40 meters) in open environments. It operates on a 5GHz frequency for stable and low-latency transmission, supporting resolutions up to 1080P@60Hz. The system is plug-and-play, requiring no software installation or network configuration.



Image: The VENTION Wireless HDMI Dongle (Transmitter and Receiver) alongside the VENTION 4K HDMI Switch. The dongles are sleek, black, and rectangular with an HDMI connector on one end and a VENTION logo. The HDMI switch is a compact gray box with multiple HDMI ports and a central button.

### 3.2 VENTION 4K HDMI Switch (2 In 1 Out)

The VENTION 4K HDMI Switch allows you to connect two HDMI source devices to a single HDMI display. It supports resolutions up to 4K@120Hz, enabling easy switching between sources without needing to swap cables.

# HDMI Switch 2 in 1 out

Switching between 2 HDMI devices easily  
without swapping cables



Image: A VENTION 4K HDMI Switch connected to a gaming console and a laptop, with its output connected to a large television displaying a racing game. This illustrates the 2-in-1-out functionality, allowing users to switch between two input sources on one screen.

## 4. SETUP INSTRUCTIONS

### 4.1 Wireless HDMI Dongle Setup

1. **Connect the Receiver (RX):** Plug the VENTION Wireless HDMI Receiver (RX) into an available HDMI input port on your display device (e.g., HDTV, projector, monitor).
2. **Power the Receiver (RX):** Connect the provided USB-C power cable to the RX unit and plug the other end into a USB power source (e.g., a USB port on your display, a USB wall adapter). The RX requires external power for operation.
3. **Connect the Transmitter (TX):** Plug the VENTION Wireless HDMI Transmitter (TX) into the HDMI output port of your source device (e.g., PC, laptop, set-top box, camera).
4. **Power the Transmitter (TX):** The TX unit typically draws power directly from the HDMI port. If your source device's HDMI port does not provide sufficient power, connect the USB-C power cable to the TX unit and a USB power source.
5. **Pairing:** The TX and RX units are pre-paired. Once both are powered on and connected, they should automatically establish a connection and display your source device's content on the connected display.



Image: A diagram illustrating the connection process for the VENTION Wireless HDMI Dongle. The top section shows various source devices (PC, DV, Set-top, Laptop) connecting to the Transmitter (TX). The bottom section shows the Receiver (RX) connecting to display devices (Monitor, Projector, TV).

## 4.2 HDMI Switch Setup (2 In 1 Out)

1. **Connect Input Devices:** Connect your two HDMI source devices (e.g., gaming console, laptop, TV box) to the 'Input 1' and 'Input 2' ports on the VENTION 4K HDMI Switch.
2. **Connect Output Display:** Connect an HDMI cable from the 'Output' port of the HDMI Switch to an HDMI input port on your display device (e.g., TV, monitor, projector).
3. **Power the HDMI Switch:** Connect the provided USB-C power cable to the HDMI Switch and plug the other end into a USB power source. This ensures stable operation, especially for 4K signals.



# USB C Power Supply

Ensure the stability of the connection USB-C charging cable included(3ft)



Image: A close-up of the VENTION 4K HDMI Switch with a USB-C power cable connected, illustrating the power supply requirement for stable operation. The switch is shown with HDMI cables connected to its input and output ports.

## 5. OPERATING INSTRUCTIONS

### 5.1 Wireless HDMI Dongle Operation

- **Automatic Connection:** Once both TX and RX units are powered and connected, they will automatically

establish a wireless link. The LED indicator on both units will show a steady light when connected.

- **One-Touch Disconnect/Reconnect:** Some models may feature a button on the TX unit for quick disconnection and reconnection. Pressing this button can refresh the connection if needed.
- **Multiple Transmitters to One Receiver:** The system supports connecting up to 8 transmitters to a single receiver. To switch between different source devices, simply activate the desired transmitter. The receiver will automatically detect and display the active signal.



Image: A diagram illustrating the 'Multipoint Connections' feature, showing four laptops each connected to a VENTION Wireless HDMI Transmitter (TX), all wirelessly transmitting to a single VENTION Wireless HDMI Receiver (RX) which is connected to a display. This demonstrates the ability to switch between multiple source devices.

## 5.2 HDMI Switch Operation

- **Switching Inputs:** Use the button on the VENTION 4K HDMI Switch to toggle between 'Input 1' and 'Input 2'. The active input will be indicated by an LED light on the switch.
- **Automatic Switching:** Some HDMI switches may feature automatic input detection, switching to the newly active source. However, manual switching is always available.

## 6. TROUBLESHOOTING

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

- **No Signal/Black Screen:**
  - Ensure all HDMI cables are securely connected.
  - Verify that both the Wireless HDMI Receiver (RX) and the HDMI Switch are properly powered via their respective USB-C cables.

- Check if the Wireless HDMI Transmitter (TX) is receiving sufficient power from the source device's HDMI port. If not, connect a USB-C power cable to the TX.
  - Confirm that your display is set to the correct HDMI input channel.
  - For the HDMI Switch, press the switch button to cycle through inputs.
  - Try restarting both the source device and the display.
- **Intermittent Signal/Poor Quality (Wireless Dongle):**
    - Reduce the distance between the TX and RX units.
    - Remove any obstructions (walls, furniture, large electronic devices) between the TX and RX units. Walls and floors significantly reduce the effective range (e.g., 131ft in open space, 32ft through walls).
    - Ensure there are no strong 5GHz Wi-Fi signals or other wireless devices operating nearby that could cause interference.
    - Verify that both TX and RX units are adequately powered.
- **No Audio:**
    - Check audio settings on your source device and display.
    - Ensure HDMI cables support audio transmission.
- **Compatibility Issues:**
    - The VENTION Wireless HDMI Dongle and Switch are broadly compatible with most HDMI devices. If an issue persists, try connecting the source directly to the display to rule out other device problems.

## 7. SPECIFICATIONS

Feature	Specification
Wireless Transmission Frequency	5GHz
Wireless Transmission Range	Up to 131ft (40m) in open environments; 32ft (10m) through walls/floors
Wireless Video Resolution Support	Up to 1920x1080@60Hz (1080P)
HDMI Switch Resolution Support	Up to 4K@120Hz
Latency	Minimal (approx. 0.1s)
Power Input	USB-C (5V/2A recommended for RX and Switch)
Compatibility	HDMI 1.4/2.0 (depending on device), HDCP compliant

## 8. SAFETY INFORMATION

- Do not expose the devices to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the devices to severe impact.
- Do not attempt to disassemble or repair the devices yourself. This will void the warranty.
- Use only the provided or certified USB-C power cables to prevent damage.
- Keep the devices away from strong electromagnetic fields.

## 9. MAINTENANCE



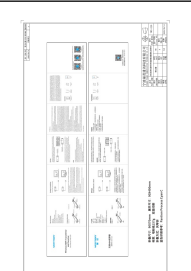
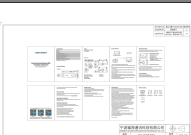

- Clean the devices with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Store the devices in a cool, dry place when not in use.
- Ensure proper ventilation around the devices during operation to prevent overheating.

## 10. WARRANTY AND SUPPORT

VENTION products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official VENTION website. For technical support, troubleshooting assistance, or any product-related inquiries, please contact VENTION customer service through the contact information provided on their official website or your purchase platform.

© 2024 VENTION. All rights reserved.

### Related Documents - Wireless HDMI Dongle & 4K HDMI Switch

	<p><a href="#">Vention Wireless HDMI Transmitter and Receiver User Manual VWS-H96</a></p> <p>Comprehensive user manual for the Vention VWS-H96 Wireless HDMI Transmitter and Receiver. Includes specifications, setup instructions, pairing guide, FAQs, and FCC compliance details for seamless screen mirroring.</p>
	<p><a href="#">Vention VWS-102 Wireless HDMI Video Transmitter and Receiver User Manual</a></p> <p>User manual for the Vention VWS-102 Wireless HDMI Video Transmitter and Receiver, detailing specifications, product overview, what's in the box, screen mirroring functions, pairing instructions, FCC compliance statement, and manufacturer information.</p>
	<p><a href="#">Vention Wireless HDMI Transmitter and Receiver User Manual</a></p> <p>User manual for the Vention Wireless HDMI Transmitter and Receiver (Model: ADC), detailing hardware installation, pairing instructions, FAQs, and FCC compliance information. Supports 1080p@60Hz resolution and a 40m effective range.</p>
	<p><a href="#">Vention Enterprise-Grade Wireless HDMI Transmitter and Receiver User Manual</a></p> <p>User manual for the Vention Enterprise-Grade Wireless HDMI Transmitter and Receiver (Model: VWS-H71). Includes specifications, connection diagrams, pairing instructions, software casting, troubleshooting, and FCC compliance information.</p>
	<p><a href="#">Vention ADO Wireless USB-C to HDMI Transmitter and Receiver (VWS-G47) User Guide</a></p> <p>Comprehensive guide for the Vention ADO Wireless USB-C to HDMI Transmitter and Receiver (Model: VWS-G47), detailing its features, setup, and usage for seamless wireless display connectivity.</p>





Prodlužovač síťového kabelu  
HDMI

Uživatelská příručka | VWS-A97

### [Vention Prodlužovač síťového kabelu HDMI Uživatelská příručka VWS-A97](#)

Uživatelská příručka pro prodlužovač síťového kabelu HDMI Vention (VWS-A97), popisující produkt, parametry, rozhraní, instalaci a aplikaci. Podporuje rozlišení 1080P 60Hz a prodloužení až na 60m přes kabely CAT5E/CAT6.