

[manuals.plus](#) /› [PWAY](#) /› [PWAY W3101 Wireless HDMI Transmitter & Receiver User Manual](#)

PWAY W3101

PWAY W3101 Wireless HDMI Transmitter & Receiver User Manual

Model: W3101



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PWAY W3101 Wireless HDMI Transmitter and Receiver system. This device enables wireless transmission of high-definition video and audio signals, supporting 4K decoding and 1080P @ 60Hz output, for various applications including presentations, home entertainment, and monitoring.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x PWAY W3101 Wireless HDMI Transmitter (marked 'T')
- 1 x PWAY W3101 Wireless HDMI Receiver (marked 'R')
- 2 x USB Power Cables
- 2 x HDMI to USB-C Adapters (for devices without direct HDMI output, e.g., smartphones/tablets)
- 1 x User Manual



Image: The PWAY W3101 Wireless HDMI Transmitter (left, with two antennas) and Receiver (right, compact) units, along with two HDMI to USB-C adapters.

3. PRODUCT OVERVIEW

The PWAY W3101 system provides a reliable and high-performance wireless solution for transmitting HDMI signals. It features dual antennas for stable connections and supports a wide range of devices.

Key Features:

- **Plug & Play:** No driver or software installation required.
- **Extended Range:** Wireless transmission up to 150 meters (500 feet) in open environments.
- **High Definition Output:** Supports 4K decoding and 1080P @ 60Hz Full HD video output.

- **Stable Connection:** Dual antennas ensure reliable transmission with low latency.
- **Wide Compatibility:** Works with PCs, laptops, MacBooks, cameras, TVs, projectors, and monitors.
- **Multiple Display Modes:** Supports both Mirror and Extended display modes.
- **WiFi 6 Technology:** Enhanced signal for faster and more stable transmission.



Image: A graphic highlighting the WiFi6 enhanced signal, indicating it is 2 times faster than WiFi5 for improved performance.

SUPPORTS VARIOUS HDMI DEVICES



Image: The PWAY W3101 device shown with icons representing its wide compatibility with various HDMI sources such as PCs, laptops, cameras, phones/iPads, and TV boxes.

4. SETUP INSTRUCTIONS

Follow these steps for a quick and easy setup:

- 1. Connect the Transmitter (T):** Plug the HDMI end of the Transmitter (marked 'T') into the HDMI output port of your source device (e.g., PC, laptop, camera, TV box).
- 2. Power the Transmitter:** Connect a USB power cable from the Transmitter to a USB power source (e.g., a USB port on your source device, a USB wall adapter). Ensure the Transmitter receives stable power.
- 3. Connect the Receiver (R):** Plug the HDMI end of the Receiver (marked 'R') into the HDMI input port of your display device (e.g., TV, monitor, projector).
- 4. Power the Receiver:** Connect a USB power cable from the Receiver to a USB power source (e.g., a USB port on your display device, a USB wall adapter). Ensure the Receiver receives stable power.
- 5. Automatic Pairing:** The Transmitter and Receiver will automatically pair within a few seconds. The indicator lights

on both units will show a stable connection once paired.

6. **Select Input:** On your display device, select the correct HDMI input source to view the transmitted content.

Note: For devices without a direct HDMI output (e.g., some smartphones or tablets), use the provided HDMI to USB-C adapters. Connect the adapter to your source device, then connect the Transmitter to the adapter.

5. OPERATING INSTRUCTIONS

Once the system is set up and paired, you can begin transmitting video and audio wirelessly.

Display Modes:

The PWAY W3101 supports two primary display modes, configurable from your source device's display settings:

- **Mirror Mode:** Duplicates the content from your source device's screen onto the connected display. This is ideal for presentations or sharing content directly.
- **Extended Mode:** Extends your desktop across both your source device's screen and the connected display, allowing for a larger workspace or multitasking.

COMPATIBLE WITH 2 DIFFERENT MODES



Image: An illustration demonstrating the two compatible display modes: Mirror Mode, where the laptop screen is duplicated on a larger display, and Extended Mode, where the laptop screen is expanded to include the larger display.

Optimal Performance:

- For best signal quality and range, ensure a clear line of sight between the Transmitter and Receiver.
- While the system can transmit through walls, obstructions may reduce the effective range and signal stability.
- The system supports 4K decoding and outputs 1080P @ 60Hz. Ensure your display device is capable of receiving these resolutions for optimal viewing.

TRANSMIT UP TO 492 FEET



Image: A visual representation of the PWAY W3101 system transmitting content from a laptop to a large display in a conference room, emphasizing its transmission range of up to 492 feet (150 meters).

4K Decode 1080P Output



Image: A split-screen image demonstrating the 4K Decode 1080P Output, with one side showing a clear, high-quality image (labeled 5G) and the other side showing a less clear image with a loading icon (labeled 2.4G), highlighting the performance difference.

6. MAINTENANCE

To ensure the longevity and optimal performance of your PWAY W3101 system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Transmitter and Receiver. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the units with care. Avoid dropping them or subjecting them to strong impacts.
- **Power:** Always use the provided USB power cables and ensure a stable power supply.
- **Ventilation:** Ensure the devices have adequate ventilation to prevent overheating, especially during prolonged use.

7. TROUBLESHOOTING

If you encounter issues with your PWAY W3101, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No signal on display.	Ensure both Transmitter and Receiver are properly powered. Verify HDMI cables are securely connected to both source and display. Check if the display is set to the correct HDMI input source. Ensure the Transmitter and Receiver are within range and have a clear path. Try restarting both the source device and the PWAY W3101 units.
Poor video quality or flickering.	Reduce the distance between the Transmitter and Receiver. Remove any obstructions (e.g., walls, large furniture) between the units. Check for sources of interference (e.g., other wireless devices, microwaves). Ensure your source device is outputting a compatible resolution (up to 1080P @ 60Hz for optimal display).
No audio.	Verify audio settings on your source device. Check volume levels on your display device. Ensure HDMI cables are fully seated.
Units not pairing.	Ensure both units are powered on. Power cycle both the Transmitter and Receiver. Ensure they are within close proximity during initial pairing.

8. SPECIFICATIONS

Feature	Detail
Model	W3101
Brand	PWAY
Connectivity Technology	Wireless, HDMI
Video Output Resolution	4K Decode, 1080P @ 60Hz Output
Transmission Range	Up to 150m (500ft) in open field
Compatible Devices	TV, monitor, projector, personal computer, laptop, camera, smartphone, tablet
Form Factor	TV Stick
Item Weight	0.14 Kilograms (140g)
Product Dimensions	3.4 x 1.23 x 7.4 cm (Transmitter/Receiver unit)
Power Source	USB Powered

9. WARRANTY INFORMATION

PWAY products are designed and manufactured to the highest quality standards. For specific warranty details, please

refer to the warranty card included in your product packaging or visit the official PWAY website. This warranty typically covers defects in materials and workmanship under normal use for a specified period from the date of purchase. Please retain your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or general inquiries, please contact PWAY customer support through the following channels:

- **Website:** Visit the official PWAY website for FAQs, support resources, and contact forms.
- **Email:** Refer to your product packaging or warranty card for specific support email addresses.
- **Phone:** Check the PWAY website for regional customer service phone numbers.

When contacting support, please have your product model (W3101) and purchase information ready.

© 2025 PWAY Technology. All rights reserved. Information in this manual is subject to change without notice.