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› PWAYTEK Wireless HDMI Transmitter and Receiver User Manual

PWAYTEK DT257W-H

PWAYTEK Wireless HDMI Transmitter and Receiver User Manual

Model: DT257W-H

1. INTRODUCTION

This user manual provides detailed instructions for the PWAYTEK Wireless HDMI Transmitter and Receiver. This device allows for seamless wireless transmission of 1080P HD video and audio signals, eliminating the need for extensive cabling. It is designed for ease of use with plug-and-play functionality and broad compatibility across various devices. Please read this manual thoroughly before operating the device to ensure proper setup and optimal performance.

2. PRODUCT OVERVIEW

The PWAYTEK Wireless HDMI Transmitter and Receiver system consists of two main units: a Transmitter (TX) and a Receiver (RX). These units work in conjunction to wirelessly extend HDMI signals from a source device to a display device.

2.1 Package Contents

- Wireless HDMI Transmitter (TX) x 1
- Wireless HDMI Receiver (RX) x 1
- User Manual x 1
- Mini HDMI Adapter x 1
- Micro HDMI Adapter x 1



Figure 2.1: Package Contents including Transmitter, Receiver, User Manual, Mini HDMI Adapter, and Micro HDMI Adapter.

2.2 Product Features

- **Wireless Connectivity:** Transmits 1080P HD video and audio signals wirelessly.
- **Plug and Play:** No software or drivers required for setup.
- **Versatile Compatibility:** Supports laptops, game consoles, Blu-ray players, and more, with up to 4K input resolution.
- **Long-Range Transmission:** Up to 328 feet (100 meters) in open space. Note: Actual range may vary based on obstacles.
- **Additional Adapters:** Includes Mini HDMI and Micro HDMI adapters for broader device compatibility (MAX support 8K).
- **Multi-Transmitter Support:** Supports up to 4 Transmitters (TX) to 1 Receiver (RX).



Figure 2.2: The PWAYTEK Wireless HDMI Transmitter and Receiver units, shown with included Mini and Micro HDMI adapters.

3. SETUP INSTRUCTIONS

The PWAYTEK Wireless HDMI system is designed for simple plug-and-play operation. Follow these steps for quick setup:

1. Step 1: Connect the Receiver (RX)

Plug the Wireless HDMI Receiver (RX) into an available HDMI input port on your monitor, TV, or projector. Connect the RX unit to a 5V/1A power supply using its USB cable. This can be a USB port on your display device or a separate USB power adapter.

2. Step 2: Connect the Transmitter (TX)

Plug the Wireless HDMI Transmitter (TX) into the HDMI output port of your source device (e.g., laptop, PC, game console, camera). Connect the TX unit to a 5V/1A power supply using its USB cable. This can be a USB port on your source device or a separate USB power adapter.

3. Step 3: Automatic Connection

After connecting both the TX and RX units and ensuring they are powered, the product will automatically enter the connection page. Please wait approximately 10 seconds for the units to pair. Do not press any buttons during this

process.

4. **Step 4: Enjoy Your Video**

Once the connection is established, the video and audio from your source device will be displayed on your monitor/TV.



Figure 3.1: Visual guide for the four-step setup process.

3.1 Connection Diagram

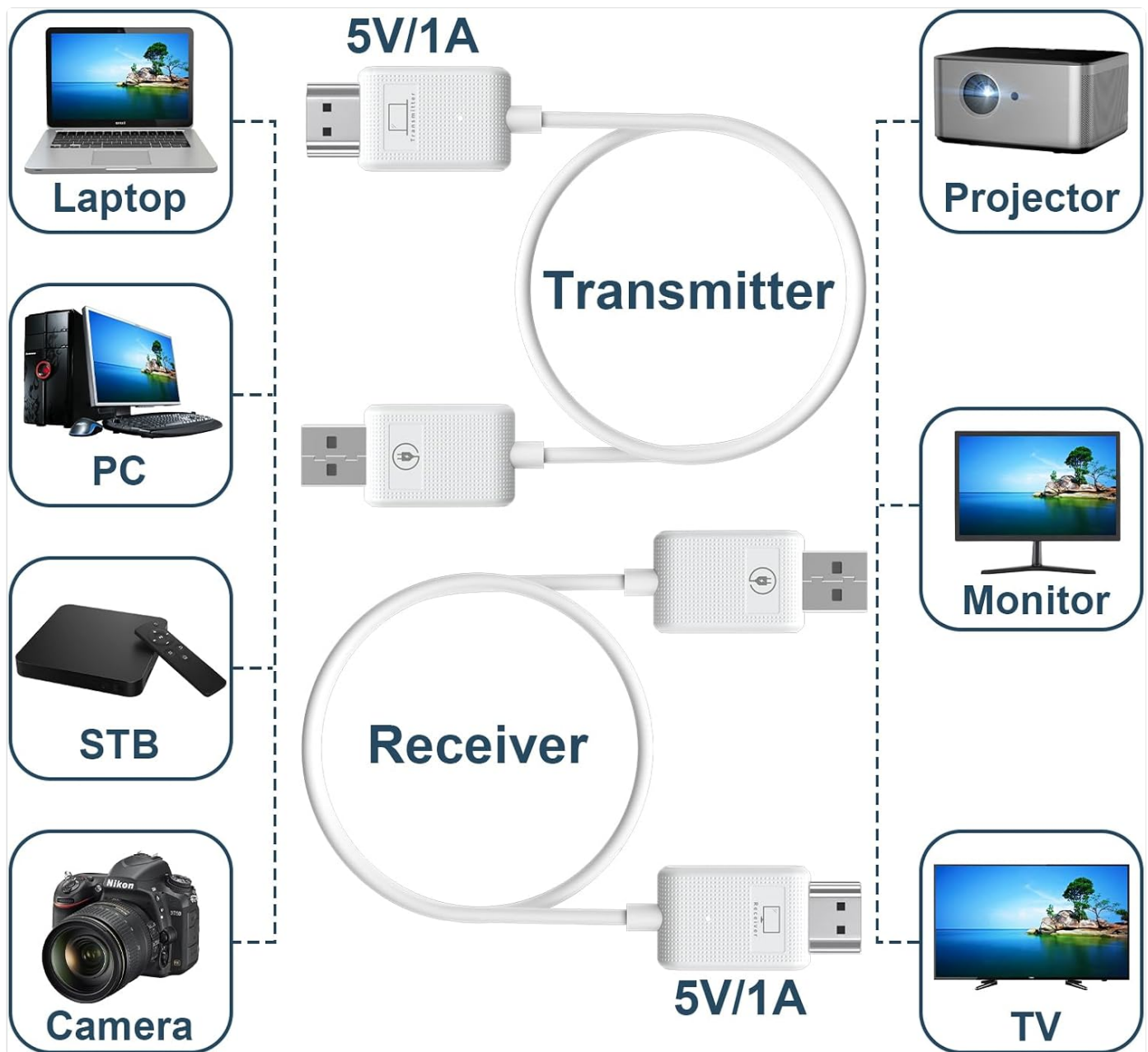


Figure 3.2: Diagram illustrating how to connect the Transmitter (TX) to a source device (Laptop, PC, STB, Camera) and the Receiver (RX) to a display device (Projector, Monitor, TV).

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once the Transmitter (TX) and Receiver (RX) are properly connected and powered, they will automatically establish a wireless link. The content from your source device will be mirrored or extended to your display.

Plug & Play

Auto Pairing No Need for App or Bluetooth
If it doesn't work, please unplug and plug the TX/RX



Figure 4.1: Example of the wireless HDMI system in operation, connecting a laptop to a television.

4.2 Transmission Range and Performance

The system supports a transmission distance of up to 328 feet (100 meters) in an empty, unobstructed space. For optimal performance, it is recommended to keep the distance within 98 feet (30 meters), especially when obstacles like walls are present.

Note: Transmission distance and speed may be affected when the product passes through walls or encounters other obstacles.



Figure 4.2: Illustration of effective transmission distance and potential signal degradation with increased distance or obstacles.

4.3 Multi-Transmitter Usage

This system supports connecting up to four Transmitters (TX) to a single Receiver (RX). This feature is ideal for presentations or collaborative environments where multiple sources need to share one display.

Packing List

- ① Wireless HDMI Transmitter(TX)*1
- ② Wireless HDMI Receiver(RX)*1
- ③ User Manual*1
- ④ Mini HDMI *1
- ⑤ Mini Micro × 1



Figure 4.3: Multiple users wirelessly sharing their screens to a single large display in a conference setting.

5. MAINTENANCE

The PWAYTEK Wireless HDMI Transmitter and Receiver requires minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Do not use liquid cleaners or aerosols.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the units with care. Avoid dropping them or subjecting them to strong impacts.
- **Power Supply:** Always ensure a stable 5V/1A power supply for both the Transmitter and Receiver. Insufficient power can lead to unstable performance.

6. TROUBLESHOOTING

If you encounter issues with your PWAYTEK Wireless HDMI system, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No signal on display.	◦ Units not powered. ◦ Incorrect HDMI port selected on display. ◦ Units not paired. ◦ Source device not outputting signal.	◦ Ensure both TX and RX are connected to a stable 5V/1A power supply. ◦ Select the correct HDMI input on your TV/monitor. ◦ Unplug and replug both TX/RX units to re-initiate pairing. ◦ Verify your source device is turned on and configured to output via HDMI.

Problem	Possible Cause	Solution
Intermittent signal or poor video quality.	◦ Too far from receiver. ◦ Obstacles blocking signal. ◦ Interference from other wireless devices. ◦ Insufficient power.	◦ Reduce the distance between the TX and RX units. ◦ Ensure a clear line of sight or minimize obstacles. ◦ Move the units away from other 2.4G/5G wireless devices. ◦ Confirm both units receive adequate 5V/1A power.
Audio but no video, or vice versa.	◦ Compatibility issue. ◦ Loose connection.	◦ Ensure your source and display devices support the transmitted resolution (1080P). ◦ Check all HDMI and USB connections are secure.

If the problem persists after trying these solutions, please contact PWAYTEK customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	PWAYTEK
Model Number	DT257W-H
Connector Type	HDMI
Compatible Devices	Monitor, Projector, Television, Laptop, PC, Game Consoles, Blu-ray Players, Cameras
Special Feature	Long Range, Wireless Video Transmission, Plug and Play, 2.4G/5G Dual Band
Color	Black
Item Weight	2.88 ounces (approx. 0.18 Pounds)
Package Dimensions	4.53 x 4.45 x 0.94 inches
Max Input Resolution	Up to 4K
Output Resolution	1080P HD
Transmission Range	Up to 328 FT (100 meters) in empty space; optimal within 98 FT (30 meters)
Power Requirement	5V/1A (for both TX and RX)
Included Adapters	Mini HDMI Adapter, Micro HDMI Adapter (MAX support 8K)

8. WARRANTY AND SUPPORT

PWAYTEK products are designed for reliability and performance. For specific warranty information, please refer to the

warranty card included with your product or visit the official PWAYTEK website.
For technical support, troubleshooting assistance, or any inquiries regarding your PWAYTEK Wireless HDMI Transmitter and Receiver, please contact our customer support team:

- **Email:** [\[Insert PWAYTEK Support Email Here\]](#)
- **Website:** [Visit the PWAYTEK Store on Amazon](#)

Please have your model number (DT257W-H) and purchase details ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question