

[Manuals.plus](#) /

› [PWAYTEK](#) /

› PWAYTEK Wireless HDMI Transmitter and Receiver Kit User Manual

PWAYTEK DT257W-H

PWAYTEK Wireless HDMI Transmitter and Receiver Kit User Manual

Model: DT257W-H

1. INTRODUCTION

The PWAYTEK Wireless HDMI Transmitter and Receiver Kit provides a convenient solution for wirelessly transmitting high-definition video and audio signals. This system eliminates the need for long HDMI cables, offering flexibility in device placement and setup. It supports various devices and resolutions, making it ideal for home entertainment, presentations, and gaming.



Figure 1: PWAYTEK Wireless HDMI Transmitter and Receiver units.

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Wireless HDMI Receiver (RX)
- Wireless HDMI Transmitter (TX)
- USB-A to Type-C Cable (x2)
- USB Type-C to HDMI Adapter (MAX support 4K)
- MINI HDMI to HDMI Adapter (MAX support 8K)
- Micro to HDMI Adapter (MAX support 8K)

4K Ultra HD Decoding

Supports 4k Output, 1080P HD Input



Figure 2: All components included in the PWAYTEK Wireless HDMI Kit.

3. SETUP GUIDE

The PWAYTEK Wireless HDMI Kit is designed for a simple plug-and-play experience. Follow these steps for quick setup:

3.1 Connecting the Receiver (RX)

1. Connect the Wireless HDMI Receiver (RX) to an HDMI input port on your display device (TV, monitor, or projector).
2. Connect one of the provided USB-A to Type-C cables to the RX unit and plug the USB-A end into a 5V/1A power source (e.g., a USB port on your TV or a USB wall adapter). Ensure sufficient power for stable operation.



Figure 3: Step 1 - Connecting the Receiver (RX) to your display and power.

3.2 Connecting the Transmitter (TX)

1. Connect the Wireless HDMI Transmitter (TX) to the HDMI output port of your source device (laptop, game console, TV box, etc.).
2. For devices manufactured after 2022 with a compatible USB Type-C port (Thunderbolt), the TX unit may draw power directly from the HDMI port, allowing for true wireless operation without an additional power cable.
3. For other devices or if additional power is needed, connect the second USB-A to Type-C cable to the TX unit and plug the USB-A end into a 5V/1A power source.
4. Utilize the included USB Type-C to HDMI, Mini HDMI, or Micro HDMI adapters as needed for your specific source device.



164FT
50M

Long Range Transmission

Note: The signal transmission process is affected by the wall.



The top image shows a family of four (a man, a woman, and two children) sitting around a campfire at night. A large screen is set up behind them, displaying a movie scene. A car is parked nearby with its rear hatch open, and a string of lights is strung across the scene. A dashed line connects the car's rear screen to a laptop in the foreground. The laptop screen shows the same movie scene. A circular callout with the text '164FT 50M' is positioned between the car and the laptop. Below the car image, the text 'Long Range Transmission' is written in large, bold letters. A note below the title states: 'Note: The signal transmission process is affected by the wall.'

Figure 4: Transmitter (TX) connected to a laptop, demonstrating true wireless capability.



Figure 5: Type-C to HDMI Adapter compatibility.



Figure 6: Mini HDMI / Micro HDMI Adapter compatibility.

3.3 Pairing and Connection

Once both the TX and RX units are powered and connected, they will automatically pair. The display will show the mirrored content from your source device.

Plug and Play

Fast Auto-Sync Screen Content



Figure 7: Plug and Play setup for fast auto-sync screen content.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the Wireless HDMI Transmitter and Receiver setup and functionality.

Your browser does not support the video tag.

Video 2: Official product video showcasing the Wireless HDMI Transmitter and Receiver with Adapter 4K.

4. OPERATING INSTRUCTIONS

The PWAYTEK Wireless HDMI Kit offers seamless connectivity and high-quality transmission for various applications.

4.1 Wireless Connectivity and Range

Enjoy seamless transmission of 1080P HD video and audio signals. The system supports a long-range transmission of up

to 164 feet (50 meters) in open terrain, providing flexible placement options for your devices.



Connect the **HDMI** Port

USB-C Port Connection

True Wireless, TX No Power cable Required

Do Not Occupy Too Many Ports and Keep It Clean

Note: The feature is only available for computers or tablets shipped after 2022

Figure 8: Long-range transmission for flexible use.



Figure 9: Long Range Transmission up to 164FT/50M.

4.2 Display Modes (Copy/Extended)

The system supports both Copy Mode (mirroring your screen) and Extended Mode (extending your desktop). Switch between modes with a single click on the TX unit.

PWAYTEK®

M-Wireless HDMI (Season 3)



*©2024 PWAYTEK DT-269 WIRELESS HDMI KIT. All Rioghts Reserved

Figure 10: One-click to switch between Extended and Copy modes.



Figure 11: Extended Mode for multi-screen productivity.

4.3 Resolution and Audio

The kit supports resolutions up to 4K input and 1080P HD output. It also features Autosync Audio with SBC level audio decoding, supporting 44kHz/16bit audio for synchronized, lossless audio output.



Figure 12: 4K Ultra HD Decoding capabilities.

Easy to Set Up



Step 1

Plug the transmitter(RX) into your monitor or TV HDMI port to reception the signal. and connect the 5V/1A powersupply.



Step 2

Plug the signal transmitter (TX) to the computer or other device with HDMI video output function. and connect the 5V/1A powersupply.



Step 3

The connection is complete, realize long-distance transmission and stable connection.

Figure 13: Stable 1080P 60Hz Refresh Rate Output.



Long Range Transmission

Up to 164FT/50M transmission distance over open terrain. Please note that obstacles can affect the transmission distance.

Figure 14: Autosync Audio for synchronized sound.

4.4 Multi-Transmitter Support

The system supports connecting up to 4 Transmitters (TX) to 1 Receiver (RX). To switch the screen signal from another transmitter, simply press the button on that specific transmitter.



Type-C to HDMI Adapter

Compatible with USB-C devices that support screen sharing. If the transmission is unstable, plug the power cable into the device and try.

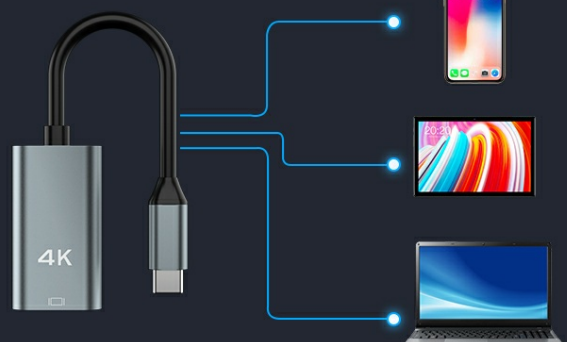


Figure 15: Support for up to 4 Transmitters (TX) to 1 Receiver (RX).

5. PRODUCT SPECIFICATIONS

Feature	Detail
Brand Name	PWAYTEK
Model Number	DT257W-H
Item Weight	5 ounces
Product Dimensions	2.52 x 0.91 x 0.39 inches
Connectivity Technology	WIRELESS HDMI
Connector Type	HDMI
Resolution Support	1080p (Output), up to 4K (Input)
Special Feature	Screen Mirroring
Compatible Devices	Projector, Laptop, Monitor, Television
Wireless Frequency	2.4/5GHz
Transmission Distance	Up to 164 feet (50 meters)

6. MAINTENANCE

- To ensure the longevity and optimal performance of your PWAYTEK Wireless HDMI Kit, follow these maintenance guidelines:
- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid cleaners or abrasive materials.
 - **Storage:** When not in use, store the units 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.
 - **Ventilation:** Ensure proper ventilation around the units during operation, especially during prolonged use, as they may generate some heat.

7. TROUBLESHOOTING

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

1. No Signal on Display:

- Ensure both TX and RX units are properly connected to their respective devices and powered on.
- Verify that the display is set to the correct HDMI input source.
- Check power supply: Ensure the RX unit receives sufficient power (5V/1A). For TX, if not using a post-2022 laptop with Thunderbolt, ensure it's also powered via USB.
- Try re-pairing the units by disconnecting and reconnecting them.

2. Intermittent Connection or Lag:

- Obstacles (walls, furniture) can affect transmission distance and speed. Ensure a clear line of sight between the TX and RX units if possible.
- Minimize interference from other wireless devices operating on 2.4GHz or 5GHz frequencies.
- Ensure both units have stable power connections.

3. Compatibility Issues with Specific Devices:

- While highly compatible, some older or specific devices (e.g., certain cable boxes or projectors) might have unique HDMI handshake requirements. Try power cycling all connected devices.
- Ensure the correct adapters (USB-C, Mini HDMI, Micro HDMI) are used for your source device.

8. WARRANTY AND SUPPORT

PWAYTEK products are designed for reliability and performance. For warranty information, technical support, or any inquiries, please refer to the contact details provided in your product packaging or visit the official [PWAYTEK website](#). For additional resources and FAQs, you may also visit the [PWAYTEK Store on Amazon](#).

© 2024 PWAYTEK. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0DP1YF3XN>

More documents and user manuals: <https://manuals.plus/>