PWAYTEK 1TX+1RX

PWAYTEK 1080P Wireless HDMI Transmitter and Receiver User Manual

Model: 1TX+1RX

1. Introduction

Thank you for choosing the PWAYTEK 1080P Wireless HDMI Transmitter and Receiver. This device allows for wireless transmission of audio and video signals from various sources to displays such as HDTVs, projectors, and monitors. It supports Full HD 1080p resolution at 60Hz and offers a stable dual-band 2.4G/5G connection for a range of up to 30 meters (100 feet) in optimal conditions. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance.



Image: The PWAYTEK Wireless HDMI Transmitter and Receiver units, showcasing their compact design.

2. Product Overview

2.1 What's in the Box

- 1 x HDMI Transmitter (TX)
- 1 x HDMI Receiver (RX)
- 1 x USB Power Cable (for Receiver)
- 1 x User Manual

2.2 Key Features

- **Wireless Mirroring & Extension:** Transmit content from laptops, cameras, or set-top boxes to TVs/projectors.
- **Plug and Play:** No application, Bluetooth, or Wi-Fi required for setup.
- **Full HD 1080p @ 60Hz:** Delivers near-zero latency video and audio.
- **Extended Range:** Stable dual-band 2.4G/5G transmission up to 30 meters (100 feet).
- **Compact Design:** Portable for on-the-go use.
- **Automatic Sync:** Ensures synchronized audio and video transmission.



Image: Visual representation of key features: 5G/2.4G Dual-Band technology, 1080P Full HD output, compact size, rust-free and corrosion-resistant design, and efficient heat dissipation.

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 Receiver (RX) unit into an available HDMI input port on your display device (e.g., TV, monitor, projector). Connect the included USB power cable to the RX unit and a 5V/1A power source (e.g., USB port on your TV or a USB wall adapter). Ensure the RX unit receives sufficient power.
2. **Step 2: Connect the Transmitter (TX)**
   Plug the Transmitter (TX) unit into the HDMI output port of your source device (e.g., PC, laptop, video camera, set-top box). If your source device's HDMI port does not provide enough power, connect the TX unit to a 5V/1A power source using a USB cable (not always included for TX, check product packaging).
3. **Step 3: Establish Connection**
   Once both the Transmitter and Receiver are powered and connected, they will automatically pair and establish a wireless connection. The display connected to the Receiver will show the content from your source device.



Image: Step-by-step guide illustrating how to connect the Receiver (RX) to a display and the Transmitter (TX) to a source device, highlighting the plug-and-play simplicity.



Image: A laptop connected to the PWAYTEK Wireless HDMI Transmitter, emphasizing the plug-and-play nature without requiring Bluetooth, Wi-Fi, or network configuration.

4. Operating Instructions

4.1 Basic Operation

Once connected, the system automatically mirrors your source device's screen to the connected display. No

additional software or drivers are needed.

4.2 Switching Display Modes (Mirror/Extend)

The PWAYTEK system supports both mirroring and extended display modes. To switch between these modes, locate the button on the Transmitter (TX) unit. A single press of this button will toggle between mirroring your screen (duplicate content) and extending your screen (use the display as a secondary monitor).



Image: Illustration of the one-click button on the Transmitter for switching between extended display mode and mirroring (copy) mode.

4.3 Long Range Transmission

The device offers stable transmission up to 30 meters (100 feet). For optimal performance, minimize physical obstructions between the transmitter and receiver, as walls and other barriers can affect signal strength and range.



Image: Depiction of the 30-meter (100-foot) long-range transmission capability, showing the signal passing through rooms, with a reminder that walls can impact performance.

5. Maintenance

To ensure the longevity and optimal performance of your PWAYTEK Wireless HDMI system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid liquid cleaners or abrasive materials.
- **Storage:** 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.
- **Ventilation:** Ensure the units have adequate ventilation during operation to prevent overheating. Do not cover the ventilation holes.

6. Troubleshooting

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

- **No Signal on Display:**
  - Ensure both the Transmitter (TX) and Receiver (RX) are properly powered and connected.
  - Verify that the HDMI cables (if any external ones are used) are securely connected.
  - Check if the display is set to the correct HDMI input source.
  - Try connecting the TX unit to a different HDMI output port on your source device or the RX unit to a different HDMI input port on your display.
  - Ensure the 5V/1A power adapter is used for the Receiver, and if necessary, for the Transmitter.
- **Intermittent Signal or Poor Quality:**
  - Reduce the distance between the Transmitter and Receiver.

- Remove any obstructions (walls, large furniture, electronic devices) between the units.
- Avoid placing the units near other wireless devices that might cause interference (e.g., Wi-Fi routers, microwaves).
- Ensure both units are receiving stable power.

- **Audio/Video Lag:**
  - While the device offers low latency, some applications or environments might introduce minor delays. Try reducing the distance and removing obstructions.
  - Ensure your source device is not under heavy load.

- **Units Overheating:**
  - Ensure proper ventilation around both units. Do not cover them.
  - If overheating persists, disconnect power and allow them to cool down before resuming use.

7. Specifications

Feature	Specification
Brand	PWAYTEK
Model Name	1TX+1RX
Connectivity Technology	HDMI, USB, Wi-Fi (for internal wireless communication)
Connector Type	HDMI
Resolution	1080p (Full HD)
Video Output Resolution	1920x1080
Color	Black
Form Factor	TV Stick / Dongle
Product Dimensions	15L x 9.5W x 2.5H centimeters
Compatible Devices	Television, Projector, Personal Computer, Laptop
Wireless Frequency	Dual Band 2.4G/5G
Transmission Range	Up to 30 meters (100 feet)
Power Input	5V/1A (via USB)

8. Warranty and Support

8.1 Manufacturer's Warranty

This PWAYTEK product comes with a 1-year manufacturer's warranty. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact PWAYTEK

customer support through the retailer's platform or the official PWAYTEK website. Please have your product model and purchase details ready when contacting support.

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