

OiDiPi GT-HDWL30

OiDiPi GT-HDWL30 Wireless HDMI Transmitter and Receiver User Manual

Model: GT-HDWL30 | Brand: OiDiPi

1. INTRODUCTION

The OiDiPi GT-HDWL30 is a wireless HDMI transmitter and receiver kit designed to stream high-definition video and audio without the need for cables. This system supports Full HD 1080P resolution at 60Hz and operates on both 2.4GHz and 5GHz dual-band frequencies, ensuring a stable and reliable connection. It offers a plug-and-play experience, eliminating complex setup procedures, and is ideal for extending your display from devices like laptops, PCs, and TV boxes to monitors, TVs, or projectors.

Key features include:

- **Full HD 1080P Output:** Delivers clear and crisp video quality.
- **Dual-Band 2.4G/5G:** Provides strong anti-interference capabilities and stable signal transmission.
- **Plug and Play:** No software, apps, Bluetooth, or Wi-Fi configuration required. Automatic pairing for immediate use.
- **Extended Range:** Transmits up to 98 feet (30 meters) in open spaces, and approximately 82 feet (25 meters) through walls.
- **Mirror and Extend Modes:** Supports duplicating your screen or extending your desktop for multitasking.
- **Wide Compatibility:** Works with most HDMI output devices (laptops, PS4/PS5, cameras, PCs, tablets) and HDMI input devices (TVs, monitors, projectors). Includes Micro HDMI and Mini HDMI adapters for broader device support.



Image 1.1: The OiDiPi GT-HDWL30 Wireless HDMI Transmitter and Receiver kit, including the transmitter (TX), receiver (RX), and two adapters (Micro HDMI and Mini HDMI).

2. WHAT'S IN THE BOX

Please verify that all items are present in your package:

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

Packing List

- 1 Wireless HDMI Transmitter (TX)*1
- 2 Wireless HDMI Receiver (RX)*1
- 3 Mini HDMI to HDMI *1
- 4 Micro HDMI to HDMI*1
- 5 Instruction Manual*1
- 6 Gift Box*1



Image 2.1: Visual representation of the items included in the OiDiPi GT-HDWL30 package.

3. SETUP INSTRUCTIONS

The OiDiPi GT-HDWL30 is designed for simple plug-and-play operation. Follow these steps to set up your wireless HDMI system:

1. Connect the Transmitter (TX):

Plug the HDMI end of the Wireless HDMI Transmitter (TX) into an HDMI output port on your source device (e.g., laptop, PC, game console, set-top box). Ensure the USB-A power cable from the TX unit is connected to a USB power source (e.g., a USB port on your computer or a USB power adapter, not included). The TX unit requires power to operate.



Image 3.1: Connecting the Transmitter (TX) to a laptop and its USB power source.

2. Connect the Receiver (RX):

Plug the HDMI end of the Wireless HDMI Receiver (RX) into an HDMI input port on your display device (e.g., TV, monitor, projector). Connect the USB-A power cable from the RX unit to a USB power source (e.g., a USB port on your TV or a USB power adapter, not included). The RX unit also requires power to operate.

Plug and Play Easy to Use



Image 3.2: Connecting the Receiver (RX) to a TV and its USB power source.

3. Automatic Pairing:

Once both the TX and RX units are powered on and connected, they will automatically pair with each other. The indicator lights on both units will show their connection status. No manual pairing or software installation is typically required.

4. Using Adapters:

If your source device has a Micro HDMI or Mini HDMI output, use the provided Micro HDMI or Mini HDMI adapter to connect the TX unit. Ensure the adapter is securely connected to both your device and the TX unit.



Image 3.3: The included Micro HDMI and Mini HDMI adapters for wider device compatibility.

After these steps, your display should show the content from your source device. If not, refer to the Troubleshooting section.

4. OPERATING INSTRUCTIONS

The OiDiPi GT-HDWL30 offers flexible display options to suit your needs:

4.1. Display Modes

- **Mirror Mode:**

In Mirror Mode, the content displayed on your source device's screen is duplicated onto the connected display (TV, monitor, projector). This is useful for presentations or sharing content directly.

- **Extend Mode:**

In Extend Mode, your connected display acts as an extension of your source device's desktop, allowing you to have different content on each screen. This mode is ideal for multitasking. *Note: Extend mode functionality depends on your source device's operating system and graphics card support.*

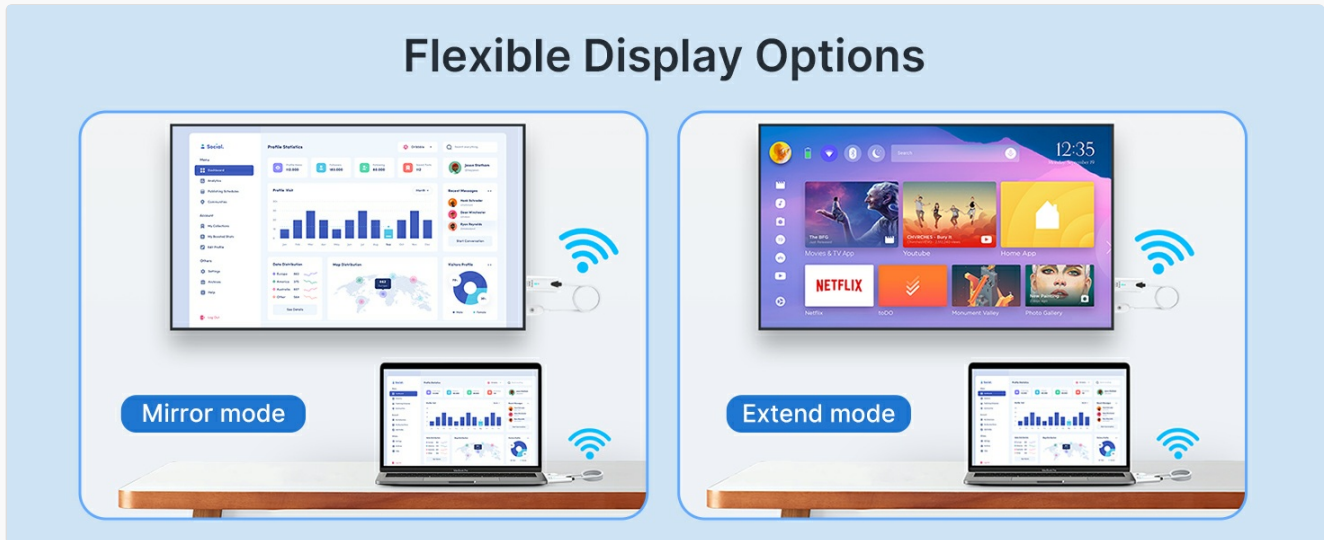


Image 4.1: Illustration of Mirror Mode (left) and Extend Mode (right) display configurations.

4.2. Dual-Band Operation

The GT-HDWL30 automatically switches between 2.4GHz and 5GHz frequencies to maintain a stable and efficient connection. This intelligent switching helps minimize interference and optimize signal strength, especially in environments with multiple wireless devices.



Image 4.2: Diagram illustrating the intelligent dual-band switching capability of the device.

5. MAINTENANCE

To ensure the longevity and optimal performance of your OiDiPi GT-HDWL30, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and receiver. Avoid using liquid cleaners or abrasive materials, as they may damage the devices.
- **Storage:** When not in use for extended periods, store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the units carefully. Avoid dropping them or subjecting them to strong impacts, which can

damage internal components.

- **Power Supply:** Always use a stable and appropriate USB power source (5V/1A or higher recommended) for both the TX and RX units. Insufficient power can lead to unstable performance.
- **Ventilation:** Ensure the devices have adequate ventilation during operation to prevent overheating. Do not cover them or place them in enclosed spaces.

6. TROUBLESHOOTING

If you encounter issues with your OiDiPi GT-HDWL30, please refer to the following common problems and solutions:

- **No Signal or Intermittent Signal:**
 - Ensure both the TX and RX units are properly connected to their respective HDMI ports and are receiving adequate power from a USB source.
 - Check the distance between the TX and RX units. While rated for up to 98ft (30m) in open space, walls and other obstructions can significantly reduce the effective range (down to 82ft/25m or less). Try reducing the distance or removing obstructions.
 - Minimize interference from other wireless devices (e.g., Wi-Fi routers, cordless phones) by repositioning the units or other devices.
 - Verify that the input source on your display device (TV/monitor) is set to the correct HDMI port where the RX unit is connected.
- **No Audio or Poor Audio Quality:**
 - Check the audio output settings on your source device (laptop, PC). Ensure the audio is directed to the HDMI output.
 - Confirm that the volume on both your source device and display device is turned up and not muted.
- **Picture Quality Issues (Blurry, Flickering, Lag):**
 - Ensure your source device is outputting a resolution supported by the system (up to 1080P).
 - Reduce the distance between the TX and RX units.
 - Check for strong electromagnetic interference in the environment.
- **Units Feel Warm During Operation:**
 - It is normal for the transmitter and receiver units to become warm during extended use. Ensure they have adequate ventilation and are not covered. If they become excessively hot or you notice any unusual smells, disconnect power immediately and contact support.
- **Physical Damage / Casing Coming Apart:**
 - Handle the devices with care. If the casing separates, avoid touching internal components. Contact customer support for assistance. Do not attempt to repair it yourself, as this may void the warranty.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	2.36 x 1 x 0.32 inches

Item Weight	2.61 ounces
Model Number	GT-HDWL30
Compatible Devices	Projector, Laptop, Personal Computer, TV Box, HDTV
Connector Type	HDMI
Color	White
Manufacturer	Zhuhai Bigway Electronic Co.,Ltd.
Wireless Frequency	2.4G/5G Dual-Band
Video Output Resolution	1080P HD
Transmission Range (Open Space)	Up to 98 feet (30 meters)
Transmission Range (Through Walls)	Up to 82 feet (25 meters)

8. WARRANTY AND SUPPORT

The OiDiPi GT-HDWL30 Wireless HDMI Transmitter and Receiver comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

For technical assistance, troubleshooting, or warranty claims, please contact OiDiPi customer service. You can typically find contact information on the product packaging or the official OiDiPi website. Please have your purchase receipt and product model number (GT-HDWL30) ready when contacting support.

We are committed to providing excellent customer service and will assist you with any questions or concerns regarding your device.

