

Taiquinix U Wireless HDMI 50M Black

Wireless HDMI Transmitter and Receiver User Manual

Model: U Wireless HDMI 50M Black

Brand: Taiquinix

1. INTRODUCTION

This user manual provides comprehensive instructions for the Taiquinix Wireless HDMI Transmitter and Receiver. This device is designed to wirelessly transmit high-definition audio and video signals, offering a convenient and efficient solution for various applications such as business presentations, home entertainment, and educational settings. It supports 4K decoding with 1080P/60Hz Full HD output and features dual-band 2.4G/5G transmission for stable performance.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Wireless HDMI Extender Transmitter unit (TX)
- 1 x Wireless HDMI Extender Receiver unit (RX)
- 1 x Quick Guide
- 2 x HDMI Converters (Mini HDMI to HDMI, Micro HDMI to HDMI)
- 2 x Type-C Charging Cables

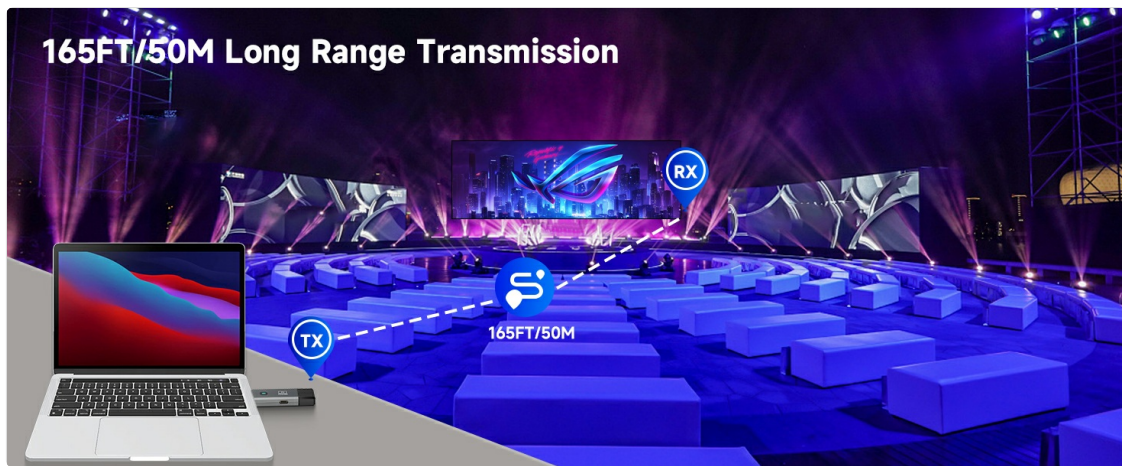


Image: Contents of the Taiquinix Wireless HDMI Extender package.

3. SETUP AND INSTALLATION

The Taiquinix Wireless HDMI system is designed for plug-and-play operation, requiring no drivers, apps, or network connection for initial setup.

3.1 Connecting the Transmitter (TX)

Connect the TX unit to your signal source device (e.g., laptop, PC, PS5/4, TV Box, camera). The TX unit typically draws power directly from the HDMI port. If additional power is needed, use one of the provided Type-C charging cables to connect the TX unit to a USB power source.



Image: Taiquinix Wireless HDMI Transmitter (left) and Receiver (right) units.

3.2 Connecting the Receiver (RX)

Connect the RX unit to your display device (e.g., TV, monitor, projector). The RX unit requires external power. Use one of the provided Type-C charging cables to connect the RX unit to a TV USB port or a separate USB power adapter.

Important Note:

When connecting to devices with non-standard HDMI ports (e.g., Mini HDMI or Micro HDMI on cameras), use the appropriate HDMI converters included in the package.



Image: Connection examples for various source and display devices.

3.3 Powering On and Pairing

Once both the TX and RX units are connected and powered, they will automatically attempt to pair. A splash screen with a QR code may appear on your display during the pairing process. After a few seconds, your source device's screen should be mirrored or extended to the display.

Your browser does not support the video tag.

Video: Demonstrates the plug-and-play setup and automatic mirroring of the wireless HDMI system.

4. OPERATING MODES AND FEATURES

4.1 Dual Mode Flexibility: Mirroring and Extending

The device supports two operational modes:

- **Mirroring Mode:** The content from your source device is duplicated on the target display, providing an identical viewing experience.
- **Extending Mode:** Your workspace is expanded, allowing different content to be displayed on each screen, enhancing multitasking capabilities.

Plug and Play

Simply plug in and you are all ready. Enjoy immediate connection without any other setup or app installation.



HD 1080P



Extend /Mirror mode



5G Stable Transmission



165FT/50M Remote Transmission

Image: Key features including mirroring and extending modes.

4.2 High-Definition Output and Transmission Range

The wireless HDMI system supports 4K decoding and delivers 1080P/60Hz Full HD output, ensuring clear and smooth visuals. It utilizes dual-band 2.4G/5G transmission protocols for strong anti-interference capabilities and signal stability.

- **Open Area Transmission:** Up to 165 feet (50 meters).
- **Indoor Transmission:** Up to 100 feet (30 meters).

Note: Transmission range may be reduced by obstacles such as walls, floors, and ceilings. Signal penetration through enclosed floors or ceilings may be limited.

165FT/50M Long Range Transmission



Image: Illustration of the long-range transmission capability.

4.3 Universal Compatibility

This device is widely compatible with various source and display devices, making it suitable for diverse applications:

- **Source Devices (TX):** Desktop PCs, Laptops, Cameras, Set-TOP Boxes, PS4/5, Nintendo Switch, DVs, etc.
- **Display Devices (RX):** Projectors, Monitors, HDTVs, etc.

Universal Compatibility



Image: Overview of compatible devices for both transmitter and receiver.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Wireless HDMI Transmitter and Receiver, follow these simple maintenance guidelines:

- Keep the devices clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the units to extreme temperatures, humidity, or direct sunlight.
- Do not disassemble the devices. Any repairs should be performed by qualified personnel.
- Store the units in a cool, dry place when not in use.

6. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
No signal or flickering screen	<ul style="list-style-type: none"> ◦ Ensure both TX and RX units are properly powered via their USB-C ports. ◦ Verify that the HDMI connections are secure. ◦ Reduce the distance between the TX and RX units. ◦ Remove any major obstacles (walls, thick furniture) between the units. ◦ Check if the display input is set to the correct HDMI port.
Poor video quality or lag	<ul style="list-style-type: none"> ◦ Ensure the TX and RX units are within the recommended transmission range. ◦ Minimize interference from other 2.4G/5G wireless devices. ◦ While suitable for video, significant latency may be experienced during fast-paced gaming.
Units feel hot to the touch	<ul style="list-style-type: none"> ◦ This can occur during extended use. Ensure adequate ventilation around the units. ◦ If overheating persists and causes signal loss, disconnect and allow them to cool before reconnecting.
Not working with specific devices (e.g., PS4)	<ul style="list-style-type: none"> ◦ Ensure the device's HDMI output is active and configured correctly. ◦ Some devices may have specific HDMI handshake requirements. Try restarting both the source device and the wireless HDMI units. ◦ Ensure the TX unit is receiving sufficient power, especially for power-hungry source devices.

If you continue to experience issues, please contact Taiquinix customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	4 x 2 x 0.8 inches (each unit)
Item Weight	6.4 ounces (total for both units)
Model Number	U Wireless HDMI 50M Black
Brand	Taiquinix
Hardware Interface	HDMI, USB-C (for power)
Color	Black
Transmission Range (Open Area)	Up to 165 feet (50 meters)
Transmission Range (Indoor)	Up to 100 feet (30 meters)

Feature	Detail
Video Output	1080P/60Hz Full HD (supports 4K decoding)
Wireless Protocols	Dual-band 2.4G/5G

8. WARRANTY AND SUPPORT

Taiquinix products undergo rigorous testing to ensure quality. We are committed to providing exceptional after-sales support.

If you encounter any issues or have questions regarding your Wireless HDMI Transmitter and Receiver, please contact our customer service team promptly. Refer to your product packaging or the Taiquinix official website for contact information.

"Adding convenience to life" is Taiquinix's core pursuit.