

TIMBOOTECH TXRX

TIMBOOTECH Wireless HDMI Transmitter and Receiver User Manual

Model: TXRX

1. INTRODUCTION

The TIMBOOTECH Wireless HDMI Transmitter (TX) and Receiver (RX) system is designed to provide a seamless, high-definition wireless connection for video and audio. This device allows you to transmit 1080P@60Hz content wirelessly from various HDMI-enabled source devices to a display, projector, or TV, eliminating the need for long HDMI cables. With its 5G transmission technology, foldable external antennas, and adjustable channels, it ensures stable and low-latency streaming for both professional and entertainment purposes.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x HDMI Transmitter (TX)
- 1 x HDMI Receiver (RX)
- 2 x USB-C Power Cables
- 2 x HDMI Extension Cables
- 1 x User Manual (multi-language)

REISEGRÖSSE

Das schlanke und kompakte U-Schalen-Design erleichtert den Transport und eignet sich ideal für den Heim-, Geschäfts- und Reisegebrauch



Lieferinhalt



1 * Sender (TX)



1 * Empfänger (RX)



2 * HDMI-V Verlängerungskabel



2 * USB-C-Kabel



1 * Benutzerhandbuch

This image demonstrates the two primary display modes: **Mirror Mode**, which duplicates your source screen onto the display, and **Extend Mode**, which expands your desktop across both screens for multitasking. The bottom section of the image also details the package contents, including the TX and RX units, HDMI extension cables, USB-C power cables, and the user manual.

3. PRODUCT OVERVIEW

The TIMBOOTECH Wireless HDMI system consists of two main components: the Transmitter (TX) and the Receiver (RX). Both units are compact and feature foldable external antennas for optimal signal strength. Each

unit is equipped with an HDMI connector for video/audio input/output and a USB-C port for power supply.



This image shows the TIMBOOTECH Wireless HDMI Transmitter connected to a laptop and the Receiver connected to a television, demonstrating a typical setup for wireless video and audio transmission.

4. SETUP INSTRUCTIONS

The TIMBOOTECH Wireless HDMI system is designed for plug-and-play operation, requiring no software installation.

4.1 Initial Connection

1. **Connect the Receiver (RX):** Plug the RX unit into an available HDMI input port on your display device (TV, monitor, or projector). Connect a USB-C power cable from the RX unit to a USB power source (e.g., TV's USB port, USB wall adapter). Power on your display device.
2. **Connect the Transmitter (TX):** Plug the TX unit into the HDMI output port of your source device (laptop, PC, camera, Blu-ray player, etc.). Connect a USB-C power cable from the TX unit to a USB power source (e.g., laptop's USB port, USB wall adapter).
3. **Automatic Pairing:** The TX and RX units will automatically pair within approximately 5 seconds. The indicator lights on both units will show a stable connection once paired.

REIBUNGSLOSES STREAMING MIT 5G @ 60HZ

Mit einer Verzögerung von nur 0,1 Sekunden können Sie nahtloses Video-Streaming genießen, sodass Sie sich voll und ganz auf Ihre Arbeit oder Unterhaltung konzentrieren können.



5GHz-Übertragung:
Schnellere und stabilere Effizienz

2,4GHz-Übertragung:
Langsamere Geschwindigkeit,
leichterer Signalverlust

This image illustrates the simple three-step setup process. First, connect the Receiver (RX) to your display device (TV/monitor) and power it on. Second, connect the Transmitter (TX) to your source device (laptop/PC). The system will automatically pair in approximately 5 seconds, requiring no software installation.

Important: Ensure both the TX and RX units are powered correctly for optimal performance.

5. OPERATING INSTRUCTIONS

5.1 Display Modes

The system supports two primary display modes, depending on your source device's settings:

- **Mirror Mode:** Duplicates your source device's screen onto the connected display.
- **Extend Mode:** Expands your desktop across both screens, allowing for multitasking.

You can typically switch between these modes through your computer's display settings (e.g., Windows Display Settings or macOS System Preferences).

5.2 Low Latency Streaming

The TIMBOOTECH system utilizes advanced 5G technology to achieve ultra-low latency of approximately 0.1 seconds, ensuring a smooth and synchronized video and audio experience.

TIMBO[®]



165FT/50M



165FT < 0.1S
**Kabellose Übertragung
mit großer Reichweite**

**Am besten für große Meetings
oder Reden geeignet**

This image highlights the advantage of 5G transmission over 2.4G for smoother streaming. The TIMBOOTECH system utilizes 5G technology for faster and more stable efficiency, ensuring minimal latency of only 0.1 seconds, ideal for uninterrupted work or entertainment.

6. ADVANCED FEATURES

6.1 Multiple Transmitters to One Receiver

One Receiver (RX) unit can be paired with up to eight Transmitter (TX) units. This feature is ideal for presentations or collaborative environments where multiple users need to share their screens on a single

display. To switch between active TX units, simply press the button on the desired TX unit.

Additional Transmitter (TX) units can be purchased separately. Search for AISN: B0CF22CM3K on Amazon.

TIMBOOTECH VERBESSERTES WIRELESS HDMI

 TIMBOOTECH	VS	Other
		
 Externe Antennen für starkes Signal		Eingebaute Antenne, Wochensignal
 Einstellbare WIFI-Kanäle für weniger Störungen		Drahtlose Kanäle können nicht geändert werden
 Verbesserte Wärmeableitung, Ununterbrochenes Streaming		Keine Wärmeableitungslöcher, die zu Überhitzung und Unterbrechungen führen können

This illustration shows the flexibility of connecting up to eight Transmitter (TX) units to a single Receiver (RX). This feature allows for easy switching between multiple source devices, enhancing efficiency during presentations or collaborative work.

6.2 Adjustable Wireless Channels

The TIMBOOTECH system allows for customization of the wireless channel. This feature helps to avoid interference from other wireless devices in crowded environments, ensuring a more stable and reliable

connection.

6.3 Long-Range Transmission

The system supports wireless transmission up to 165 feet (50 meters) in a direct line of sight. For environments with obstructions such as walls or floors, the effective range is approximately 32 feet (10 meters).

MEHRERE SENDER AN EINEN EMPFÄNGER

Unterstützt bis zu 8 TXs, die an 1 RX
angeschlossen werden können

The image illustrates a meeting room where two presenters are using large digital screens to display data dashboards. In the foreground, several laptops are arranged on a long table. Each laptop has a small wireless transmitter device connected to it. Blue concentric circles around the transmitters and screens represent the wireless signal being transmitted. At the bottom of the image, a schematic diagram shows a central black box labeled 'Transmitter(TX)' connected to eight smaller white transmitter icons arranged in two rows of four. Arrows point from this central transmitter to a single 'Receiver(RX)' icon on the left, which is connected to a laptop icon. This diagram demonstrates the capability of one receiver to connect with up to eight transmitters.

This image demonstrates the long-range wireless transmission capability of up to 165 feet (50 meters) line of sight, making it suitable for large meeting rooms or classrooms. Note that the range may be reduced to 32 feet (10 meters) when transmitting through walls or floors.

6.4 Enhanced Design

The TIMBOOTECH Wireless HDMI units feature external foldable antennas for stronger signal reception and improved heat dissipation design to prevent overheating and ensure uninterrupted streaming, distinguishing them from models with internal antennas or less efficient cooling.

Spiegelmodus

SPIEGELN & DUAL-MODUS ERWEITERN
Erweiterungsmodus eignet sich perfekt für
Multitasking und Steigerung Ihrer Produktivität.

Erweiterungsmodus

This image compares the TIMBOOTECH Wireless HDMI system with other models, highlighting its enhanced features. It includes external foldable antennas for strong signal, adjustable WiFi channels for less interference, and improved heat dissipation for uninterrupted streaming, addressing common issues found in devices with built-in antennas or poor cooling.

7. MAINTENANCE

To ensure the longevity and optimal performance of your TIMBOOTECH Wireless HDMI system, 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.
- **Power:** Always use the provided USB-C power cables and ensure a stable power supply.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No signal on display	TX/RX not powered, incorrect HDMI connection, pairing issue, display input not selected.	Ensure both TX and RX are powered. Check HDMI cables are securely connected. Select the correct HDMI input on your display. Re-power both units to re-initiate pairing.
Intermittent signal or poor quality	Interference from other wireless devices, too far from RX, obstructions, low power.	Reduce distance between TX and RX. Ensure line of sight. Try adjusting the wireless channel (refer to advanced features). Ensure stable power supply to both units. Avoid placing near strong Wi-Fi routers or microwaves.
No audio or distorted audio	Audio settings on source device, display audio settings, connection issue.	Check audio output settings on your source device. Ensure your display's audio is not muted or set to a very low volume. Verify all connections are secure.
Units fail to pair	Power issue, units too far apart, interference.	Ensure both TX and RX are powered correctly. Bring units closer together during initial pairing. Try restarting both units.
Not compatible with phone/tablet	Product limitation.	This device is designed for HDMI output devices such as laptops, PCs, cameras, etc., and does not support direct connection to phones or tablets.

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

9. SPECIFICATIONS

Feature	Detail
Model Number	TXRX
Brand	TIMBOOTECH

Feature	Detail
Connectivity Technology	HDMI, USB, Wi-Fi (5G)
Special Feature	Wireless HDMI Transmission, Adjustable Channel, External Antennas
Video Resolution	Up to 1080P @ 60 Hz
Video Encoding	H.264, H.265/HEVC
Audio Output Mode	Stereo, supports up to 5.1 channel audio pass-through
Transmission Range (Line of Sight)	Up to 165 feet (50 meters)
Transmission Range (Through Walls)	Up to 32 feet (10 meters)
Latency	Approximately 0.1 seconds
Compatible Devices	Laptops, PCs, Blu-ray players, cameras, DVDs, DSLRs, set-top boxes, cable/satellite boxes, and other HDMI output devices. (Not compatible with phones or tablets.)
Color	Black
Item Weight	130 Grams

10. WARRANTY AND SUPPORT

10.1 Product Warranty

The TIMBOOTECH Wireless HDMI Transmitter and Receiver comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures customer satisfaction.

10.2 Customer Support

If you have any questions, require technical assistance, or experience issues not covered in this manual, please do not hesitate to contact TIMBOOTECH customer support. Refer to the contact information provided in your product packaging or on the official TIMBOOTECH website for assistance.