

## TIMBOOTECH BBUSTIMHDMIDONGLE

# TIMBOOTECH 4K Wireless HDMI Transmitter and Receiver Instruction Manual

Model: BBUSTIMHDMIDONGLE

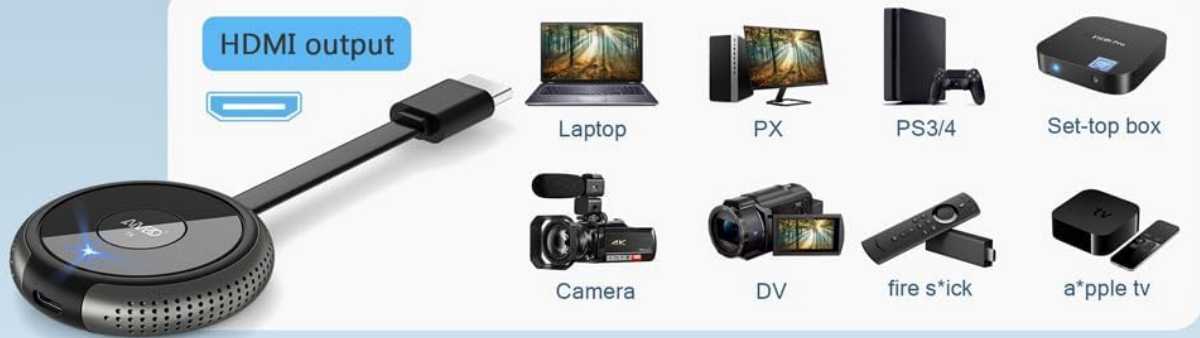
## 1. INTRODUCTION

This manual provides instructions for the TIMBOOTECH 4K Wireless HDMI Transmitter and Receiver. This device facilitates wireless transmission of HDMI video and audio signals, supporting 4K input and 1080P output. It operates on dual-band 2.4G/5.8GHz wireless connectivity and offers features such as multi-transmitter support, dual-screen output (HDMI & VGA), and mirroring/extension modes.

## 2. WHAT'S IN THE BOX

- 1x HDMI Wireless Transmitter (TX)
- 1x HDMI Wireless Receiver (RX)
- 1x Audio Cable
- 2x Type-C USB Cables
- 1x HDMI Cable
- 1x Micro HDMI Adapter
- 1x Mini HDMI Adapter
- 1x Manual Book

# Wide Compatible



## Transmitter (TX)



165FT50M

## Receiver (RX)



Image: All components included in the TIMBOOTECH Wireless HDMI Transmitter and Receiver kit.

### 3. PRODUCT OVERVIEW

The TIMBOOTECH Wireless HDMI system consists of a Transmitter (TX) and a Receiver (RX) unit. The TX unit connects to your source device, and the RX unit connects to your display.

#### Transmitter (TX)

The Transmitter (TX) is a compact device with an integrated HDMI connector and a USB-C port for power. It sends the video and audio signal wirelessly to the Receiver.

# 165FT Long Range Transmission



Image: The Transmitter (TX) unit, which connects to the source device.

## Receiver (RX)

The Receiver (RX) unit features HDMI, VGA, and 3.5mm audio output ports, along with two external antennas for signal reception and a USB-C port for power. It receives the wireless signal from the TX and outputs it to your display.



Image: The Receiver (RX) unit, showing its various input/output ports.

# Smooth Streaming in 4K@5.8G

TIMBOOTECH wireless hdmi kit features powerful 2.4G and 5.8GHz dual LDS antennas for smooth transmission of stunning 4K movies.

NETFLIX

hulu

YouTube

Apple tv

HBOMAX

prime video



Image: Both the Transmitter (TX) and Receiver (RX) units.

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your TIMBOOTECH Wireless HDMI system:

1. Connect the external antennas to the Receiver (RX) unit.
2. Connect the RX unit to your display (TV, monitor, or projector) using an HDMI cable or a VGA cable (VGA cable not included).
3. Connect the USB-C power cable to the RX unit and plug it into a power source (e.g., TV's USB port or a USB power adapter).
4. Connect the Transmitter (TX) unit to your source device (laptop, PC, gaming console, etc.) via its HDMI connector.
5. Connect the USB-C power cable to the TX unit and plug it into a power source. The TX unit requires external power for operation.

## FREE Micro/Mini HDMI Port

Micro HDMI Adapter



Mini HDMI Adapter



Image: Connection diagram for the Transmitter (TX) and Receiver (RX) units.

Video: This video demonstrates the physical connection process for the Wireless HDMI Transmitter and Receiver, showing how to plug in the components to a laptop and monitor.

Video: An unboxing and initial setup guide for the TIMBOOTECH 4K Wireless HDMI Kit, showing the components and basic assembly.

## 5. OPERATING INSTRUCTIONS

### Pairing the Devices

The TX and RX units are pre-paired at the factory. If re-pairing is needed:

1. Ensure both TX and RX are powered on and connected to their respective devices.
2. Long press the button on the back of the RX unit for 3 to 5 seconds. The display will show "Ready to Pair".
3. Then, long press the middle button on the TX unit for 5 to 8 seconds.
4. When the indicator light on the TX is flashing, the display will show "Pairing OK". The indicator light will then become solid, indicating successful pairing.



Image: Step-by-step guide for pairing the Transmitter and Receiver.

## Multi-TX Capability

The system supports connecting up to 8 Transmitters (TXs) to one Receiver (RX). To switch between different TX units, simply click the middle button on the desired TX unit.

# Plug and Play & Wireless Flexibility

The extender plug and play setup in 5s gets you watching wireless video fast. This wireless flexibility and compact size can help create a tidy in your meeting room.

**Privacy Protection:**  
One-click disconnect & reconnect

Category	Value
Sales	118,726,350.26
COGS	101,832,648.00
Profit	16,893,702.26
Discounts	9,205,248.24

**Discounts by Product**

Product	Discounts
Pavco	~180M
Velo	~120M
VTT	~100M
Amanilla	~80M
Montana	~60M
Cannons	~40M

**Profit by Month**

Month	Profit
January	~100M
February	~110M
March	~120M
April	~130M
May	~140M
June	~150M
July	~160M
August	~170M
September	~180M
October	~190M
November	~200M
December	~210M

**Top 5 Products**

Product	Value
Pavco	~250M
VTT	~180M
Velo	~150M
Amanilla	~120M
Montana	~100M

**Top 5 Discounts**

Discount Band	Value	Percentage
High	35.81M	34.13%
Medium	31.81M	30.32%
Low	7.27M	6.93%
None	30.02M	28.62%

**Feature Icons:**

- Dual LDS Antenna
- 4K@30Hz
- Plug and Play
- 165FT/50M
- 1RX to 8TXs
- Cooling Function
- One-click connection

Image: Illustration of connecting multiple Transmitters (TX) to a single Receiver (RX).

## Dual Screen Functionality (HDMI & VGA)

The Receiver (RX) unit features both HDMI and VGA output ports, allowing for simultaneous display on two monitors. This can enhance productivity for presentations or multimedia projects. An audio output port is also available for connecting external speakers.

# Multi-TX Capability & Dual Screen

This wireless HDMI features a VGA port design and HDMI connectivity allows you to enjoy content on dual monitors simultaneously. Support up to 8 TXs simultaneously



Image: Dual screen setup using HDMI and VGA outputs from the Receiver.

## Mirror & Extend Mode

The system supports both mirroring and extending display modes, providing flexibility for various applications. In mirror mode, the same content is displayed on both screens. In extend mode, different content can be displayed, expanding your workspace.

# Dual-Mode & Receiver Function

Mirror mode displays the same picture, different content can be displayed in the extend mode. and the operation is more flexible.



**[Cast Phone To Big Tv]** This flexibility to use just the wireless hdmi receiver component aligns well you want to wirelessly cast from phones, tablets, or other portable devices to a larger display.

Image: Comparison of Mirror Mode and Extend Mode functionality.

## Phone/Tablet Casting (Receiver Function)

The Receiver (RX) can function independently to cast content from phones, tablets, or other portable devices to a larger display. This feature supports 4K HDR movies via WiFi.

### How to connect the Receiver from your phone to the TV:

1. Plug the external antenna cables into the RX, and also plug the USB cable into a power adapter (5V/1A).
2. Plug the RX into the TV. You will see a blue main screen.

**For Android Devices:** Find the "Screen Mirroring" function in your settings, select the RX device (e.g., "RX-BF3AB555") as the target, then enable mirroring.

**For Windows Devices:** Press "Win+P", click the mirror function, then it is done.

### For iOS System:

1. Go to your iPhone's WiFi setting, choose the RX device (e.g., "RX-BF3AE0BF").
2. Click "Internet", access the IP address "192.168.203.1".
3. Choose your home WiFi and password (12345678), and wait for the TV screen's icon in the upper right corner to show that the connection is successful.

- Then go back to your iPhone's WiFi setting, choose your home WiFi.
- Tap Airplay, choose "RX-BF3AE0BF", and it will auto stream.

## 4K HDR MOVIES WIFI WIRELESS STREAMING FROM PHONE

Support 4K HDR, Use RX Alone / VGA + HDMI Dual Monitor

How to connect the Receiver from the phone to the TV?

- Plug the external antenna cables into RX, and also plug the USB cable into a power adapter (5V/1A)
- Plug the RX into the TV, then you will see a blue main screen

**For Android Devices:** Find the "Screen Mirroring" function in the setting, select RX-BF8AB555 as the target, then enjoy mirroring.

**For Windows Devices:** Press "win+P", click the mirror function, then be done.

**For IOS System:**

- Go to the iPhone's Wifi setting, Wifi choose "RX-BF3AE0BF"
- Click the website, access the IP address "192.168.203.1"
- Click "Internet", choose your home Wifi and password (12345678), and wait for the TV screen's icon in the upper right corner to show that the connection is successful
- Then back to iPhone's Wifi setting, Wifi choose your home Wifi.
- Tap Airplay, choose "RX-BF3AE0BF", then it will auto stream



Image: Instructions for 4K HDR WiFi wireless streaming from a phone.

## Adjustable WiFi Channels

To optimize viewing experience and reduce interference, you can adjust the WiFi channels:

- Plug the receiver/RX to your TV and power it on.
- Go to your phone's WiFi settings and find the WiFi named "RX-xxxx", then enter the password: 12345678.
- Launch a browser on your phone and enter the IP address "192.168.203.1". Choose "Wireless channel", select the 5G as your WiFi mode.
- Choose your country, and select a WiFi channel. Select a Bandwidth. WiFi channel is between 36 and 165.

## Wide Compatible



Image: Steps for adjusting WiFi channels for improved performance.

## 6. AUDIO OUTPUT

The TIMBOOTECH Wireless HDMI system supports 2.0 stereo sound output.

- If the output device is a laptop/computer, please modify the sound output source and select "RX-BXXXXXX" as the target.

- This product only supports 2.0 stereo sound and does not support 2.1 stereo sound, 5.1 stereo sound, 7.1 stereo sound, or Dolby Atmos sound.

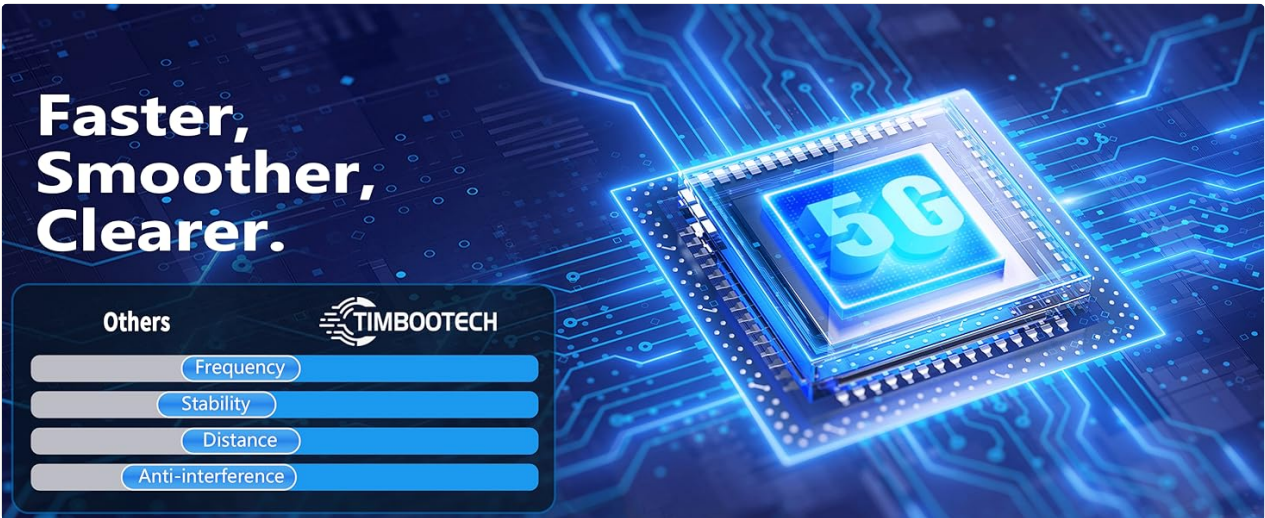


Image: Information regarding 2.0 stereo sound support.

## 7. SPECIFICATIONS

Feature	Description
Brand	TIMBOOTECH
Model Number	BBUSTIMHDMIDONGLE
Connectivity Technology	Wireless, WiFi, HDMI, Mini HDMI, Micro HDMI, VGA
Special Features	Built-In Wi-Fi, Compact Design, Plug and Play, Wireless
Compatible Devices (TX)	Laptop, PC, gaming console, cable box, DVD, camera, recorder, DSLR, Blu-ray players, PS3/4/5/ Xbox, tablet, iPhone, iPad, smartphone
Compatible Devices (RX)	HDTV, Monitor, Projector
Total HDMI Ports	2 (1 on TX, 1 on RX)
Audio Output Mode	Support 2.0 stereo sound
Video Encoding	MOV
Wireless Technology	Wi-Fi (2.4G/5.8GHz)
Transmission Range	Up to 165FT/50M (line of sight)
Output Power	10 Watts
Item Dimensions (D x W x H)	5.6"D x 2.36"W x 3.46"H
Item Weight	3.5 Ounces
Color	Grey

## 8. TROUBLESHOOTING

- **No Signal on Display:**

1. Ensure both the Transmitter (TX) and Receiver (RX) are properly powered on and their indicator lights are solid blue.
2. Verify that all HDMI/VGA and power cables are securely connected.
3. Check if the display input source is correctly selected (e.g., HDMI 1, VGA).
4. Re-pair the TX and RX units as described in the 'Pairing the Devices' section.
5. Ensure the TX unit is receiving sufficient power. Some source devices may not provide enough power, requiring the use of the provided USB-C power cable.

- **Intermittent Signal or Poor Quality:**

1. Reduce the distance between the TX and RX units. The maximum effective range is 165FT/50M in line of sight, but walls and obstacles can significantly reduce this.

2. Adjust the WiFi channels as described in the 'Adjustable WiFi Channels' section to avoid interference from other wireless devices.

3. Ensure there are no major obstructions (e.g., thick walls, large metal objects) directly between the TX and RX units.

- **TX/RX Unit Overheating:**

It is normal for the units to become warm during extended use. If a unit becomes excessively hot and causes performance issues, ensure it has adequate ventilation and is not covered. Disconnect power and allow it to cool down if necessary.

- **Cannot Cast from Phone/Tablet:**

1. Ensure your phone/tablet is connected to the RX unit's WiFi network.

2. Follow the specific instructions for Android, Windows, or iOS devices provided in the 'Phone/Tablet Casting' section.

3. Verify that your device's screen mirroring feature is enabled and correctly configured.

## 9. MAINTENANCE

- Keep the devices clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the devices to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the devices yourself. This may void the warranty.

## 10. WARRANTY AND SUPPORT

This product comes with a 1-Year Manufacturer Warranty.

For further support or inquiries, please visit the official TIMBOOTECH store on Amazon:TIMBOOTECH Amazon Store.