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› [BRAIDOL](#) /

› [BRAIDOL Wireless HDMI Transmitter and Receiver User Manual](#)

## BRAIDOL TR50

# BRAIDOL Wireless HDMI Transmitter and Receiver User Manual

MODEL: TR50

## 1. Introduction

The BRAIDOL Wireless HDMI Transmitter and Receiver kit provides a convenient, cable-free solution for streaming high-definition video and audio from various source devices to displays. Featuring plug-and-play functionality, LED status indicators, and dual-frequency transmission, this system is designed for ease of use and stable performance in home, office, and educational environments.

## 2. What's in the Box

- 1 x HDMI Transmitter (TX)
- 1 x HDMI Receiver (RX)
- 1 x User Manual
- 1 x HDMI Extender Cable
- 2 x USB-A to USB-C Power Cables
- 2 x HDMI Adapters (Mini HDMI, Micro HDMI)

## 3. Product Overview



**Figure 3.1: Main Product Components.** The BRAIDOL Wireless HDMI Kit includes a transmitter (TX) and a receiver (RX) unit, designed for seamless wireless video and audio transmission. Two HDMI adapters (Mini HDMI and Micro HDMI) are also included for broader compatibility.



**Figure 3.2: LED Display for Easy Control.** The upgraded units feature an LED display on the transmitter, providing real-time status updates for connection, power, signal strength, and video output, ensuring easy monitoring of device operation.

# Compatible Devices

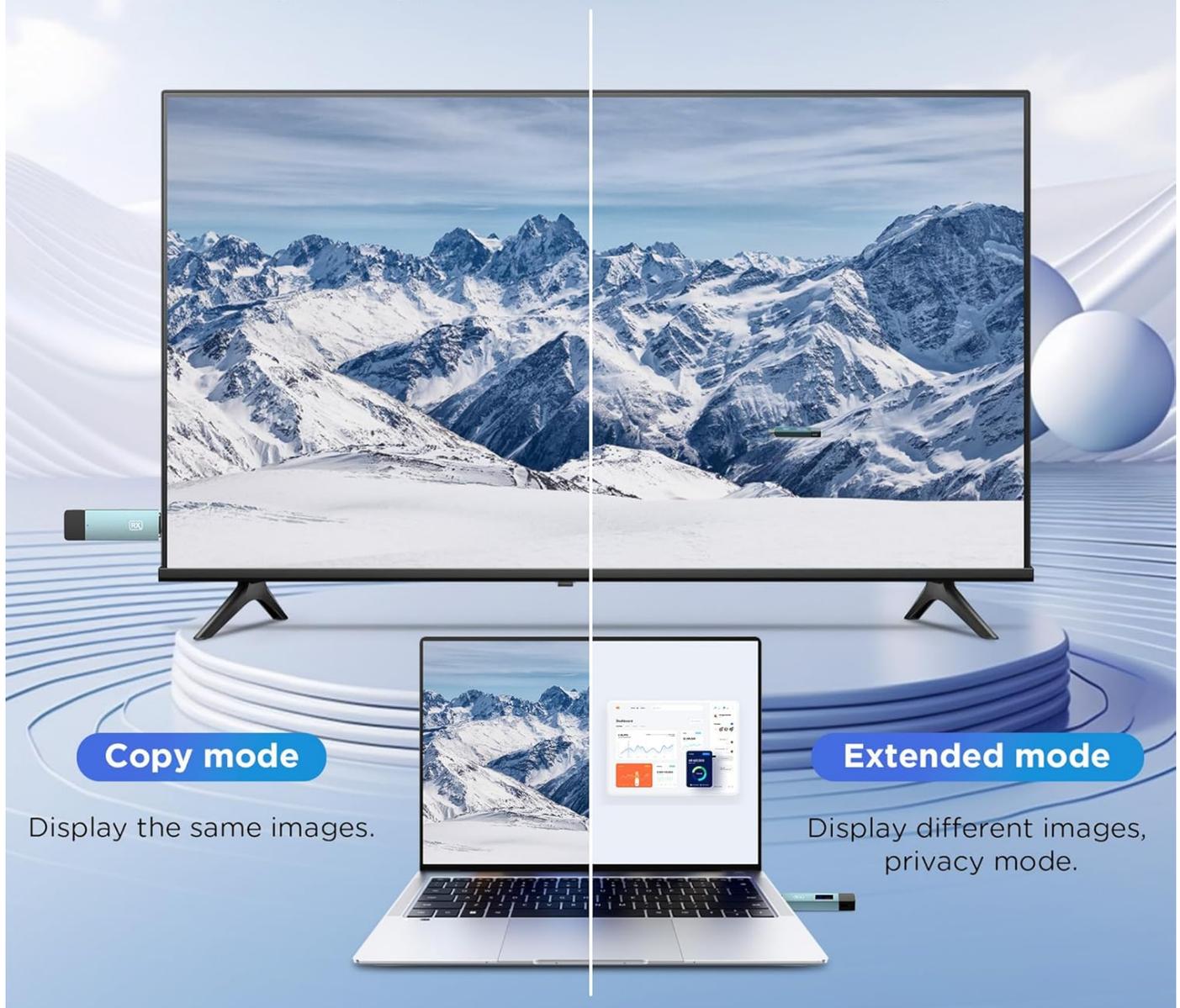
1 RX supports up to 8 TXs



**Figure 3.3: Wide Device Compatibility.** This wireless HDMI system offers broad compatibility, supporting connections from various source devices such as PCs, laptops, cameras, and set-top boxes (TX), to display devices like TVs, monitors, and projectors (RX). One receiver can support up to eight transmitters.

# Two Connection Modes for PC

Plug & Play, No Need WiFi/Bluetooth/App



**Figure 3.4: Copy and Extended Display Modes.** The system supports two display modes for PC users: Copy mode, which mirrors the same images on both screens, and Extended mode, allowing for different images on each display for enhanced privacy or multitasking.

# 100FT Ultra-Long-Range Stable Transmission



**Figure 3.5: Long-Distance Stable Transmission.** Experience stable and reliable transmission up to 100 feet (30 meters) with a low latency of 0.1 seconds, ensuring smooth and uninterrupted audiovisual streaming even across distances.

# 4K Ultra HD Decoding

Supports 4K Output, 1080P HD Input



**Figure 3.6: 4K Ultra HD Decoding.** The system supports 4K decoding and 1080P high-definition output, delivering crystal-clear visuals for an immersive viewing experience.



## Free with Mini HDMI/Micro HDMI

**Figure 3.7: Dual-Frequency Transmission.** Utilizes 2.4G/5G dual-frequency transmission for stable connectivity and reduced interference, optimizing performance for various environments.

## 4. Setup Guide

Follow these steps for a quick and easy setup:

1. **Connect Transmitter (TX):** Plug the HDMI Transmitter (TX) into your computer's HDMI port. Connect a USB-A to USB-C power cable from a 5V/2A power source (e.g., laptop USB port, USB wall adapter) to the TX unit's USB-C port. Ensure the TX unit receives sufficient power for stable operation.
2. **Connect Receiver (RX):** Plug the HDMI Receiver (RX) into an available HDMI input on your display device (e.g., TV, monitor, projector). Connect a second USB-A to USB-C power cable from a 5V/2A power source to the RX unit's USB-C port. Switch your display device's input source to the corresponding HDMI port (e.g., HDMI 1, HDMI 2).
3. **Automatic Connection:** After both units are powered and connected, wait approximately 10 seconds. The TX and RX units will automatically pair and establish a connection. Avoid pressing any buttons during this initial pairing process.
4. **Re-pairing (if needed):** If the units do not connect automatically or if you need to re-pair them, long-press the control button on both the TX and RX units simultaneously for 6 seconds. The units will enter re-pairing mode and

attempt to establish a new connection.

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**Video 4.1: Plug and Play Setup Demonstration.** This video demonstrates the simple plug-and-play setup process, highlighting how easy it is to get the wireless HDMI system operational without complex configurations.

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**Video 4.2: Unboxing and Setup Overview.** A detailed look at the unboxing experience and a quick guide to setting up the BRAIDOL Wireless HDMI Transmitter and Receiver kit.

## 5. Operating Modes

The BRAIDOL Wireless HDMI system supports various operating modes, primarily for PC connections:

- **Copy Mode:** In this mode, the content displayed on your source device (e.g., laptop screen) is mirrored exactly onto the connected display (e.g., TV). This is ideal for presentations, sharing videos, or collaborative viewing where identical content is desired on both screens.
- **Extended Mode:** This mode allows your connected display to act as an extension of your source device's screen. You can drag windows and applications from your primary screen to the extended display, providing more workspace for multitasking or private viewing.

## 6. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

- **No Signal/No Video Output:**
  - Ensure both the Transmitter (TX) and Receiver (RX) units are receiving sufficient power (5V/2A). Check if the power indicator light is solid blue. If it's red, power is insufficient.
  - Verify that the display device (TV, monitor) is set to the correct HDMI input source.
  - Check the connection status on the RX unit's LED display. If it's blinking, the units are not connected. Try re-pairing them by long-pressing the control button on both units for 6 seconds.
  - For PC connections, ensure your computer's display settings are not set to 'Computer Screen Only' or that the computer has not entered screensaver mode.
  - Check for poor contact with the HDMI port on the computer or display. Try re-inserting the units or using the provided HDMI extender cable.
- **Intermittent Connection/Signal Drop:**
  - Ensure both units are within the recommended transmission range (up to 100 feet/30 meters).
  - Minimize obstacles (walls, large furniture) between the transmitter and receiver.
  - Check for strong interference from other 2.4G/5G wireless devices. The system automatically switches frequencies, but extreme interference can still affect performance.
- **Device is Hot:**
  - It is normal for the device to become slightly warm during continuous operation. If it becomes excessively hot, ensure it has adequate ventilation and is not covered.

## 7. Specifications

Feature	Specification
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Feature	Specification
Brand	BRAIDOL
Model Name	TR50
Connectivity Technology	HDMI
Connector Type	HDMI
Special Feature	Screen Mirroring
Resolution	4K (decoding), 1080P (output)
Supported Internet Services	YouTube (via connected device)
Controller Type	Remote Control (via connected device)
Form Factor	TV Stick
Color	GRAY
Item Weight	10.2 ounces
Product Dimensions	1 x 1 x 1 inches
Output Wattage	5 Watts
Country of Origin	China

## 8. Warranty and Support

BRAIDOL products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided in your product packaging or visit the official BRAIDOL website. Keep your purchase receipt for warranty claims.