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BRAIDOL TR50

BRAIDOL Wireless HDMI Transmitter and Receiver (Model TR50) User Manual

Model: TR50 | Brand: BRAIDOL

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your BRAIDOL Wireless HDMI Transmitter and Receiver, Model TR50. This device is designed to wirelessly transmit high-definition video and audio signals, offering a convenient solution for various display needs without the clutter of cables.



Image 1: BRAIDOL Wireless HDMI Transmitter (TX) and Receiver (RX) units, shown with included HDMI adapters.

2. WHAT'S IN THE BOX

Please verify that all items are present in your package:

- 1x HDMI Transmitter (TX)
- 1x HDMI Receiver (RX)
- 1x User Manual
- 1x HDMI Cable
- 2x Type-C Cables (for power)
- 1x Mini HDMI/Micro HDMI Adapter

Multip-Compatibility

Transmitter(TX)



Camera



TV Box



DV



PC



Laptop

Receiver(RX)



HDTV



Monitor



Projector



100FT/30M



Plug & Play



5G/2.4G



HD1080P

Image 2: Visual representation of the package contents, including the transmitter, receiver, cables, and adapters.

3. PRODUCT OVERVIEW

The BRAIDOL Wireless HDMI system consists of a Transmitter (TX) and a Receiver (RX) unit. Both units feature a compact design and are equipped with indicators for easy monitoring of their status.

3.1 Key Features

- **Plug & Play:** No software, Wi-Fi, or Bluetooth required for operation.
- **High-Resolution Output:** Supports 4K decoding and 1080P Full HD output at 60Hz.
- **Dual-Band Transmission:** Utilizes 2.4G/5G frequencies for stable connections up to 30 meters (100 feet).
- **Mirror & Extend Modes:** Allows for screen mirroring or extended display functionality.
- **Wide Compatibility:** Compatible with various devices including PCs, laptops, cameras, DVs, TV boxes, projectors, monitors, and HDTVs.
- **LED Display:** Provides visual feedback on connection status and other parameters.

3.2 Components and Indicators

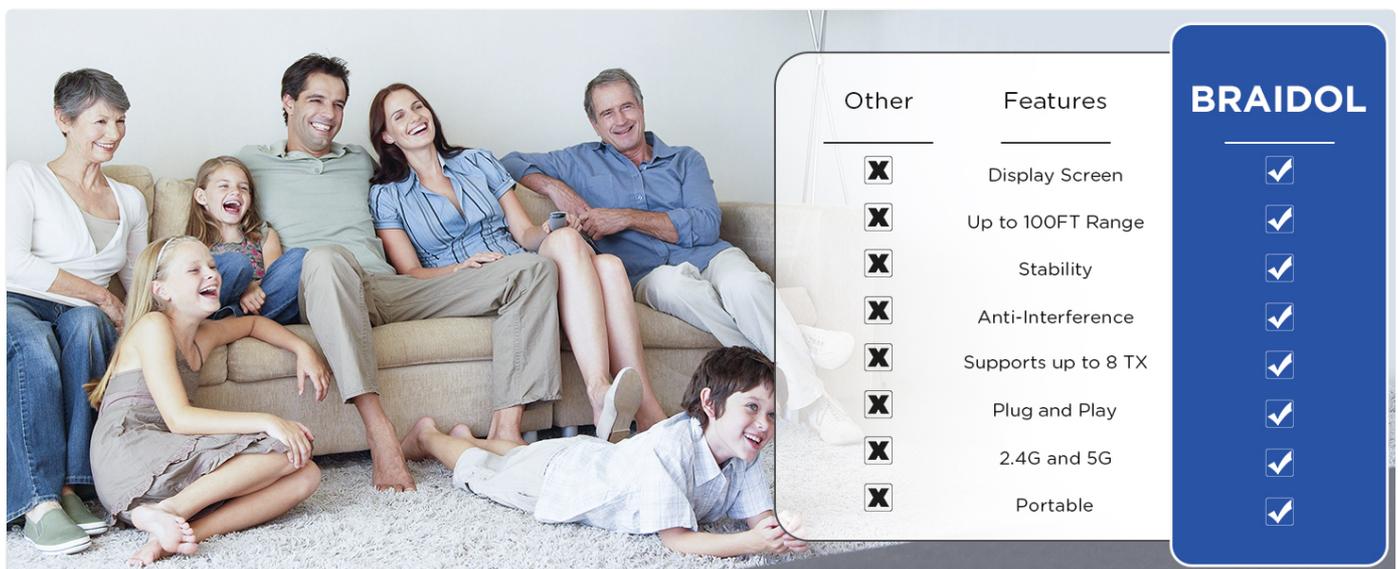


Image 3: Detailed view of the Transmitter (TX) and Receiver (RX) units, highlighting control buttons, power indicators, signal strength, and video output status.

- **Control Button (TX):** Single press to pause/start screen casting. Long press for 6 seconds to enter re-pairing mode.

- **Insufficient Power Warning (TX/RX):** Red light indicates insufficient power. Light off indicates sufficient power. Ensure a 5V/2A power supply is used.
- **Signal Strength Indication (TX):** Three LEDs lit for strong signal, two for good, one for weak.
- **Connection Status Indication (RX):** Blinking indicates not connected. Solid light indicates connection successful.
- **Computer Video Output Status Indication (TX):** Blinking indicates no video output. Solid light indicates video detected.

4. SETUP GUIDE

Follow these steps for initial setup:

1. **Power Supply:** Ensure both the Transmitter (TX) and Receiver (RX) units are connected to a stable 5V/2A power supply using the provided Type-C cables. Insufficient power can prevent proper operation.
2. **Connect Transmitter (TX):** Plug the TX unit into the HDMI output port of your source device (e.g., PC, laptop, camera, TV box). If necessary, use the Mini HDMI/Micro HDMI adapter.
3. **Connect Receiver (RX):** Plug the RX unit into an available HDMI input port on your display device (e.g., HDTV, monitor, projector).
4. **Select Input:** On your display device, select the corresponding HDMI input source where the RX unit is connected (e.g., "HDMI 1").
5. **Automatic Connection:** After approximately 10 seconds, the product should automatically enter the connection page. Do not press any buttons during this initial phase. The indicator light on the TX unit will enter a fast-blinking state, then become solid upon successful connection.



Image 4: Visual guide illustrating the four steps for connecting the transmitter and receiver units to source and display devices.

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Video 1: An instructional video demonstrating the setup and connection process for the Wireless HDMI Transmitter and Receiver.

5. OPERATING INSTRUCTIONS

5.1 Screen Mirroring and Extended Display

The system supports both mirroring and extending your screen:

- **Mirror Mode:** Displays the same content on both your source device and the connected display.

- **Extended Mode:** Extends your desktop, allowing you to display different content on the connected display, enhancing productivity.

To switch between modes, adjust your computer's display settings (e.g., Windows Display Settings or macOS System Preferences > Displays).



Image 5: Depiction of a laptop connected to a large screen, showing both "Copy mode" (mirroring) and "Extended mode" options.

5.2 Pausing/Resuming Transmission

Press the control button on the Transmitter (TX) unit once to pause or resume screen casting.

5.3 Multi-Device Connection (One Receiver, Multiple Transmitters)

The system supports connecting up to 8 Transmitter (TX) units to a single Receiver (RX) unit. To switch between different source devices:

- Ensure all TX units are connected to their respective source devices and powered.
- Press the control button on the desired TX unit to switch its signal to the RX unit.

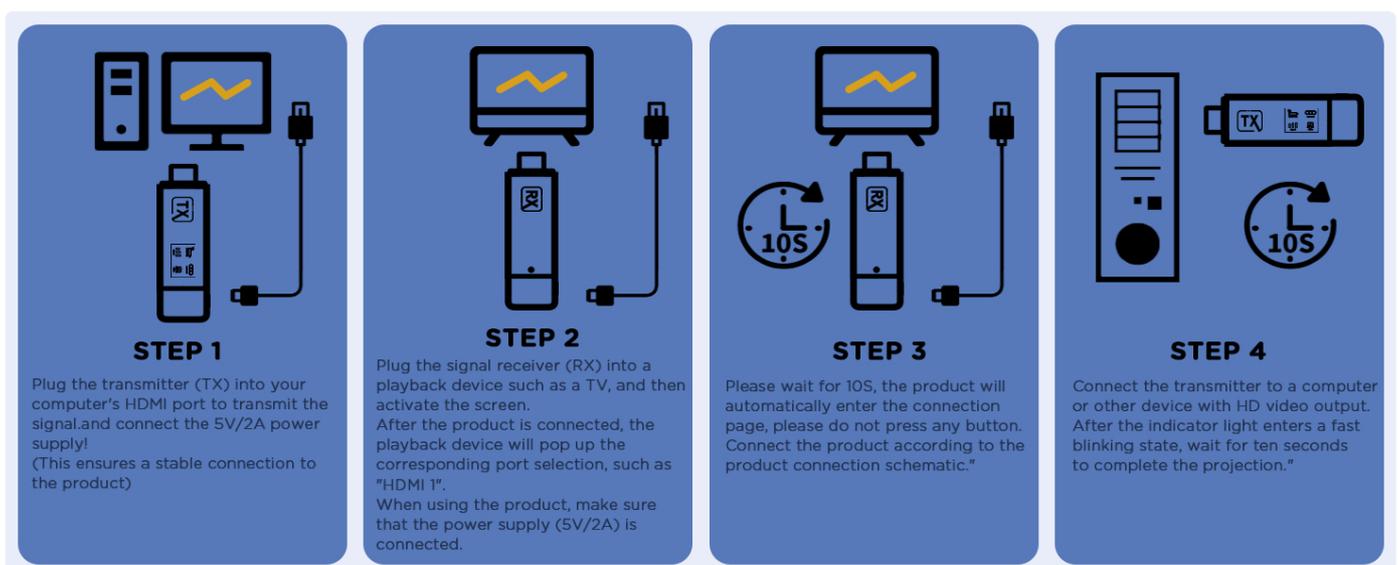


Image 6: Diagram showing multiple laptops connected to a single display via separate transmitter units, with a button press to switch sources.

6. SPECIFICATIONS

Model Name	TR50
Brand	BRAIDOL
Connectivity Technology	Wireless (2.4G/5G Dual-Band)
Connector Type	HDMI
Resolution	4K Decoding, 1080p@60Hz Output
Transmission Distance	Up to 30 meters (100 feet)
Special Feature	Miracast, Plug & Play, LED Display
Item Weight	10.2 ounces
Product Dimensions	5.2 x 5.1 x 1.8 inches
Power Input	5V/2A (via Type-C)

7. TROUBLESHOOTING

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

- **No Signal/Black Screen:**

- Ensure both TX and RX units are properly powered with a 5V/2A adapter. Check for a red light indicating insufficient power.
- Verify that the TX unit is securely plugged into the source device's HDMI output and the RX unit into the display's HDMI input.
- Confirm the display device is set to the correct HDMI input source.
- Check if your computer's display settings are configured for "Computer Screen Only" (no video output). Adjust to "Duplicate" or "Extend" as needed.
- Try re-pairing the units: Long press the control button on the TX unit for 6 seconds until it enters re-pairing mode.
- Restart both the source device and the display device.

- **Intermittent Connection/Signal Drops:**

- Reduce the distance between the TX and RX units. The maximum stable range is 30 meters (100 feet).
- Minimize obstructions (walls, large furniture) between the units.
- Ensure there are no strong sources of wireless interference nearby (e.g., other 2.4GHz/5GHz devices).
- Check the signal strength indicator on the TX unit. If weak, try repositioning.

- **Poor Picture Quality:**

- Ensure your source device is outputting a compatible resolution (up to 1080P@60Hz for output).
- Check the quality of the HDMI cable used for the RX unit connection.
- Verify that the power supply is stable and sufficient (5V/2A).

- **Audio Issues:**

- Ensure the audio output on your source device is enabled and set to HDMI.
- Check the volume levels on both your source device and display.

8. MAINTENANCE

To ensure the longevity and optimal performance of your BRAIDOL Wireless HDMI system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the units with care to prevent physical damage. Avoid dropping or subjecting them to strong impacts.
- **Power:** Always use the recommended 5V/2A power supply. Disconnect power during electrical storms or when unused for extended periods.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact BRAIDOL customer service. Keep your proof of purchase for warranty claims.

For further assistance, you may visit the official BRAIDOL store on Amazon:[BRAIDOL Store](#).

