BRAIDOL 1NI1107-DZ-1389

BRAIDOL Wireless HDMI Transmitter and Receiver User Manual

Model: 1NI1107-DZ-1389

1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your BRAIDOL Wireless HDMI Transmitter and Receiver. This device is designed to provide a seamless, cable-free solution for transmitting high-definition video and audio signals from various source devices to displays, projectors, or TVs. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Package Contents

The BRAIDOL Wireless HDMI Transmitter and Receiver package includes the following components:

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

2.2 Key Features

- **Innovative Design:** The transmitter (TX) can function independently as a Wireless HDMI Display Dongle Adapter, offering expanded compatibility with smartphones and tablets.
- **Plug and Play Operation:** No driver installations or complex configurations required. Simply connect the TX to your source device and the RX to your display.
- **High-Quality Wireless Transmission:** Utilizes 2.4G/5G technology for stable connections, supporting projection and mirroring from mobile devices.
- **4K Decoding & 1080P Output:** Delivers high-quality imagery with up to 4K decoding and 1080P output resolution

for clear visual experiences.

- **Extended Transmission Range:** Reliable wireless transmission up to 150 feet (50 meters). Note that physical obstacles may affect signal strength and range.
- **Broad Compatibility:** Compatible with Windows, MacOS, iOS, and Android for screen sharing. Works with most HDMI output devices including laptops, PCs, Blu-ray players, cameras, DVDs, DSLR cameras, and set-top boxes.

Figure 2.2.1: Overview of the BRAIDOL Wireless HDMI Transmitter (left), Receiver (right), and included HDMI adapters.

3. Setup Instructions

3.1 Connecting the Receiver (RX)

1. Connect the Wireless HDMI Receiver (RX) to an available HDMI input port on your display device (TV, monitor, or projector).

2. Connect one of the provided Type-C cables to the power input port on the RX unit and the other end to a USB power source (e.g., a USB wall adapter, TV USB port, or power bank). Ensure the power source provides sufficient power for stable operation.

3.2 Connecting the Transmitter (TX)

1. Connect the Wireless HDMI Transmitter (TX) to the HDMI output port of your source device (e.g., laptop, PC, camera). Use the Mini HDMI or Micro HDMI adapters if necessary for your device's port type.

2. Connect the second Type-C cable to the power input port on the TX unit and the other end to a USB power source.

Figure 3.2.1: The Wireless HDMI Transmitter (TX) connected to a laptop's HDMI port, illustrating the plug-and-play setup.

Figure 3.2.2: Connection diagram illustrating how the Transmitter (TX) connects to source devices like laptops, PCs, cameras, DVs, and set-top boxes, and how the Receiver (RX) connects to displays such as monitors, TVs, and projectors. Smartphones/tablets can also connect wirelessly to the Receiver.

4. OPERATING INSTRUCTIONS

4.1 Initial Pairing and Connection

Once both the Transmitter (TX) and Receiver (RX) are powered on and connected to their respective devices, they will automatically attempt to pair. The indicator light on both units will show their connection status. A stable light typically indicates a successful connection.

Allow approximately 60-80 seconds for the receiver to lock onto the transmitter during the initial connection or after a power cycle.

4.2 Switching Display Modes (Copy/Extended)

The system supports both Copy (mirror) and Extended display modes. To switch between these modes, press the button
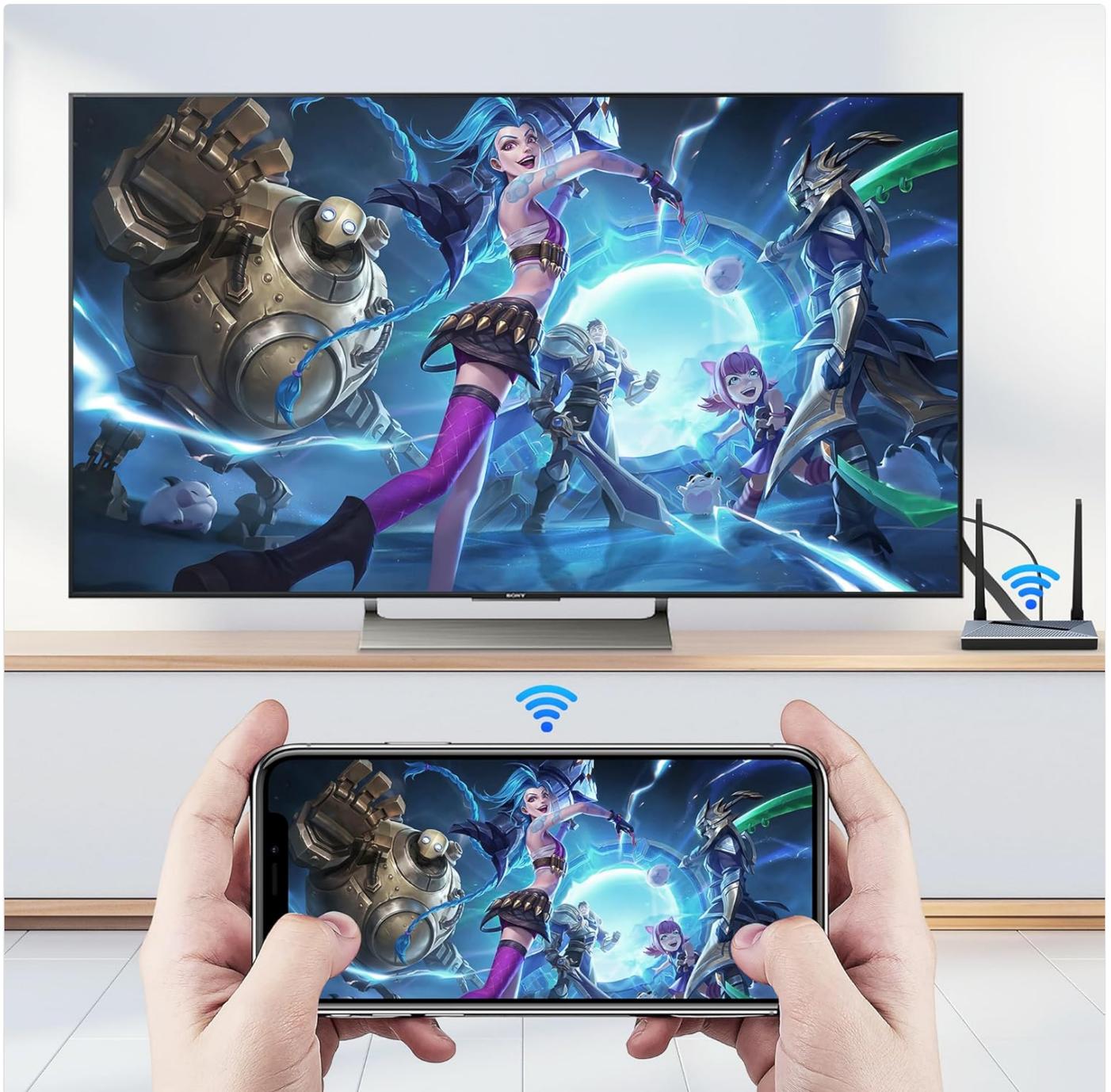
on the Transmitter (TX) unit. Your display will toggle between mirroring your source device's screen and extending it as a second display.

Figure 4.2.1: Illustration of switching between Copy mode (mirroring the laptop screen) and Extended mode (using the large display as a second monitor) by pressing a button on the Transmitter.

4.3 Smartphone/Tablet Connection (TX as Dongle Adapter)

The Transmitter (TX) can also function independently as a wireless display dongle for smartphones and tablets. Refer to your device's screen mirroring or casting settings to connect to the TX unit. This allows you to wirelessly project content from your mobile device to a larger screen.

Figure 4.3.1: A smartphone wirelessly mirroring its display to a large television, demonstrating the mobile device compatibility and ease of casting.

4.4 Optimal Performance

- For best results, ensure a clear line of sight between the Transmitter (TX) and Receiver (RX).

- While the device supports up to 150 feet (50 meters) transmission, obstacles such as walls, large furniture, and other wireless signals can reduce the effective range and signal quality.

- The system supports 4K decoding and 1080P output. Ensure your source content and display device are capable of these resolutions for the best visual experience.

4K Ultra HD Decoding

The product supports 4K decoding and 1080P projection.

Figure 4.4.1: Visual representation of the product's 4K Ultra HD Decoding capability, ensuring high-quality video output.

Figure 4.4.2: Demonstrates the 164FT (50m) ultra-long-range stable transmission, suitable for large meeting rooms or extended setups.

5. COMPATIBILITY

The BRAIDOL Wireless HDMI system offers wide compatibility with various devices and operating systems:

- **Operating Systems:** Windows, MacOS, iOS, Android.
- **Source Devices (HDMI Output):** Laptops, PCs, Blu-ray players, cameras, DVDs, DSLR cameras, set-top boxes, gaming consoles, and other devices with an HDMI output.
- **Display Devices (HDMI Input):** High-definition TVs, monitors, projectors.

Figure 5.1: The Wireless HDMI Transmitter connected to a DSLR camera, illustrating its broad compatibility with various HDMI output devices.

6. TROUBLESHOOTING

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

Problem	Possible Cause / Solution

Problem	Possible Cause / Solution
No signal or "No Input" on display.	- Ensure both TX and RX units are properly powered and their indicator lights are stable. - Verify that the HDMI cables are securely connected to both the source device and the display. - Check if the display is set to the correct HDMI input channel. - Try unplugging and replugging both TX and RX units to re-establish connection. - Ensure the source device's HDMI output is active.
Intermittent signal or poor video quality.	- Reduce the distance between the TX and RX units. - Remove any physical obstructions (walls, large furniture) between the units. - Minimize interference from other 2.4GHz/5GHz wireless devices (e.g., Wi-Fi routers, cordless phones). - Ensure both units are receiving stable power.
Audio but no video, or vice versa.	- Check the HDMI cable connections. - Ensure your source device's audio/video settings are correctly configured for HDMI output. - Test with a different HDMI cable if possible.
Transmitter button not responding.	- Ensure the TX unit is powered on. - Try a soft reset by unplugging and replugging the TX unit.
Mobile device mirroring issues.	- Ensure your mobile device's screen mirroring/casting feature is enabled and correctly configured. - Some mobile devices may have specific compatibility requirements or limitations. Refer to your phone's manual.

7. SPECIFICATIONS

Feature	Detail
Model Number	1NI1107-DZ-1389
Connectivity Technology	Wireless (2.4G/5G)
Video Decoding	Up to 4K
Video Output Quality	1080P

Feature	Detail
Wireless Transmission Range	Up to 150 feet (50 meters) (Line of Sight)
Compatible Operating Systems	Windows, MacOS, iOS, Android
Compatible Devices	Laptops, PCs, Monitors, Televisions, Blu-ray players, Cameras, DVDs, DSLR cameras, Set-top boxes
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2 channel (stereo)
Item Weight	1.26 pounds
Package Dimensions	8.66 x 5.55 x 1.85 inches

8. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Do not use liquid cleaners or aerosols, as they may damage the components.
- **Storage:** When not in use for extended periods, store the device 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, which can damage internal circuitry.
- **Ventilation:** Ensure the units have adequate ventilation during operation to prevent overheating. Do not cover the ventilation holes.

9. WARRANTY AND SUPPORT

BRAIDOL is committed to providing high-quality products. For information regarding product warranty, returns, or technical support, please refer to the warranty card included in your product packaging or visit the official BRAIDOL website. You may also contact BRAIDOL customer service through the platform where you purchased the product for assistance.
For common questions and further assistance, please visit the BRAIDOL Store on Amazon.