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› BDFFLY Wireless HDMI Transmitter and Receiver W3103 User Manual

BDFFLY W3103

BDFFLY Wireless HDMI Transmitter and Receiver W3103 User Manual

Model: W3103

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your BDFFLY Wireless HDMI Transmitter and Receiver (Model W3103). Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The BDFFLY W3103 allows for wireless transmission of HDMI signals, supporting up to 4K decoding and 1080p@60Hz output. It features dual-band (2.4GHz/5GHz) connectivity for stable transmission over long distances, and a plug-and-play design for ease of use.



Image: BDFFLY Wireless HDMI Transmitter and Receiver.

PRODUCT OVERVIEW

Key Features

- **Multi-Screen Wireless Expansion:** Supports transmitting content wirelessly to multiple displays. A single transmitter can manage up to four receivers (additional receivers sold separately).
- **Plug and Play Connectivity:** No tangled cables, Wi-Fi, Bluetooth, or complex configurations required. Connects devices within 10 seconds.
- **4K Decoding & 1080p High-Definition Output:** Supports up to 4K resolution decoding and delivers ultra-high-definition 1080p image quality at 60Hz.
- **Ultra-Long Range Transmission & Dual-Frequency Stability:** Supports transmission distances up to 150 meters (500 feet) with dual-band (5GHz and 2.4GHz) chip for enhanced anti-interference capabilities.
- **Wide Compatibility:** Includes Micro HDMI and Mini HDMI adapters for compatibility with various HDMI display devices. Supports laptops, PCs, MacBooks, cameras, set-top boxes, Blu-ray/DVD players, game consoles, smartphones, tablets, and more.
- **Cooling and Temperature Control:** Automatic temperature control technology prevents overheating for stable, long-term performance.

Package Contents



Image: Package contents of the BDFFLY Wireless HDMI Extender.

1. Wireless Transmitter (TX) x 1
2. Wireless Receiver (RX) x 1
3. Type-C Cable x 2
4. Mini HDMI Adapter x 1
5. Micro HDMI Adapter x 1
6. User Manual x 1

Device Compatibility

Wireless Hdmi Transmitter and Receiver

Transmitter(TX)



HDMI Input Devices



HDMI Output Devices



Receiver(RX)



Image: Compatible HDMI input and output devices.

SETUP INSTRUCTIONS

Follow these steps to set up your BDFFLY Wireless HDMI Transmitter and Receiver:

Lista de empaque

- 01 Transmisor inalámbrico*1
- 02 Receptor inalámbrico*1
- 03 Cable tipo C*2
- 04 Adaptadores mini HDMI*1
- 05 Adaptadores micro HDMI*1
- 06 Manual de usuario*1
- 07 Caja de regalo*1



Image: Step-by-step setup guide for the BDFFLY Wireless HDMI Extender.

1. **Step 1: Install Receiver (RX)**

Connect the receiver (RX) to an HDMI input port on your monitor or television. Use a USB-C cable to connect the receiver to a power source of at least 5V/2A. Wait approximately 10 seconds and adjust the monitor or TV's HDMI input to the corresponding port until a display appears.

2. **Step 2: Install Transmitter (TX)**

Connect the transmitter (TX) to the HDMI output port of your source device, such as a laptop. Ensure the transmitter is also connected to a power source of at least 5V/1A. After the light indicator flashes rapidly for about ten seconds, the screen projection should complete.

3. **Step 3: Status Monitoring**

Keep the indicators on both the receiver and transmitter illuminated. The transmitter can check the signal strength and power status.

Important Note: If the power supply from the main device is insufficient or unstable for high-definition devices, connect the transmitter to a miniature 5V/1A power adapter to ensure stable operation.

OPERATING INSTRUCTIONS

Display Modes

The device supports two primary display modes:

Supports 2 Display Modes

Copy Mode



Extended Mode



Image: Illustration of Copy Mode and Extended Mode display options.

- **Copy Mode:** Duplicates the content from your source device's screen onto the connected display.
- **Extended Mode:** Extends your desktop across both your source device's screen and the connected display, allowing for more workspace.

To switch between modes, refer to your operating system's display settings (e.g., Windows Display Settings or macOS System Preferences).

Audio Synchronization

The device features automatic audio synchronization, supporting SBC level audio decoding and 48 kHz/16-bit audio compatibility for a seamless audio-visual experience.



Image: Automatic audio synchronization feature.

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 and cause damage.
- Ensure proper ventilation around the devices to prevent overheating. The built-in temperature control system helps manage heat, but good airflow is still recommended.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on screen.	◦ Insufficient power supply. ◦ Incorrect HDMI input selected on display. ◦ Loose cable connections. ◦ Transmitter/Receiver not paired.	◦ Ensure both TX and RX are connected to a stable 5V/1A (TX) or 5V/2A (RX) power source. ◦ Verify the display is set to the correct HDMI input. ◦ Check all HDMI and USB-C cable connections. ◦ Ensure both devices are powered on and the indicator lights are active.
Unstable or flickering image.	◦ Signal interference. ◦ Distance too far or obstacles. ◦ Insufficient power.	◦ Reduce distance between TX and RX. ◦ Minimize obstacles (walls, large objects) between devices. ◦ Ensure stable power supply for both units. ◦ Check for other wireless devices causing interference.
No audio.	◦ Audio settings on source device. ◦ Display audio settings.	◦ Verify audio output settings on your source device (laptop, PC). ◦ Check volume and mute settings on your TV/monitor.

Problem	Possible Cause	Solution
Latency or lag.	◦ Excessive distance or interference. ◦ High-bandwidth content.	◦ Reduce distance and clear line of sight. ◦ Ensure no other strong wireless signals are nearby. ◦ For Apple TV users, adjust output resolution to 1080p 60Hz as recommended.

SPECIFICATIONS

Feature	Detail
Brand	BDFFLY
Model	W3103
Dimensions	10 x 5 x 20 cm (approximate)
Weight	160 g
Hardware Interface	802.11 ac/b/g/n
Data Link Protocol	Bluetooth, IEEE 802.11n or IEEE 802.11ac
Max Transmission Distance	Up to 150 meters (500 feet)
Video Decoding	Up to 4K resolution
Output Resolution	1080p @ 60Hz
Frequency Bands	2.4 GHz, 5 GHz
Power Input	5V/1A (TX), 5V/2A (RX) recommended
Compatible Devices	Game consoles, cameras, set-top boxes, monitors, desktop computers, laptops, projectors, Blu-ray/DVD players, smartphones, tablets, televisions.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official BDFFLY website. Keep your purchase receipt for warranty claims.

If you encounter any issues not covered in this manual, please contact customer support for assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question