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BDFFLY DT276W-E

BDFFLY 2-in-1 Wireless HDMI Transmitter & Receiver

Model: DT276W-E

User Manual

1. Introduction

Thank you for purchasing the BDFFLY 2-in-1 Wireless HDMI Transmitter & Receiver. This device provides a seamless and cable-free solution for extending or mirroring your screen from various devices to a larger display. It supports two distinct connection modes, offering flexibility for different usage scenarios. Please read this manual carefully to ensure proper setup and operation.

2. Product Overview

2.1 Components

- 1 x Wireless HDMI Transmitter (TX)
- 1 x Wireless HDMI Receiver (RX)
- 1 x USB Power Cable (for RX unit)
- 1 x HDMI Extension Cable (for RX unit)



Figure 2.1: BDFFLY Wireless HDMI Transmitter (TX) and Receiver (RX) units.

2.2 Key Features

- **Dual Connection Modes:** Supports both Receiver-only (RX) mode for direct device mirroring and Transmitter+Receiver (TX+RX) mode for automatic pairing.
- **Plug & Play:** No Wi-Fi, dedicated apps, Bluetooth pairing, or driver installation required.
- **High-Quality & Stable Transmission:** Features dual-band (5G+2.4G) chip for smooth 1080P@60Hz output and ultra-low latency.

- **Long-Distance Transmission:** Capable of stable wireless video transmission up to 50 meters (165 feet) in an open environment.
- **Type-C Direct Connection:** The Transmitter (TX) unit can connect directly to compatible Type-C devices (smartphones/PCs) without requiring external power.
- **Wide Compatibility:** Compatible with Mac, Windows, Android smartphones, TVs, PCs, and projectors.



Figure 2.2: Device compatibility overview for Transmitter (TX) and Receiver (RX) units.

3. Setup Instructions

The BDFFLY Wireless HDMI system offers two primary connection modes:

3.1 Mode 1: Receiver Only (RX Mode)

This mode allows you to mirror your compatible smartphone or PC screen directly to a display using only the Receiver (RX) unit. The Transmitter (TX) unit is not required for this mode.

1. Connect the Receiver (RX) unit to an HDMI input port on your TV, projector, or monitor.
2. Connect the USB power cable to the RX unit and plug the other end into a 5V/1A power adapter or a USB port on your display that provides sufficient power.
3. Switch your display's input source to the HDMI port where the RX unit is connected.
4. On your smartphone or PC, enable the screen mirroring or casting function (e.g., Screen Mirroring for iOS, Smart View/Cast for Android, Connect to a wireless display for Windows).
5. Select the RX device (typically named "UniMirrorLite-xxxxxx" or similar) from the list of available devices.
6. Your device's screen will now be mirrored on the larger display.



Figure 3.1: Overview of the two connection modes, including RX-only mirroring.

3.2 Mode 2: Transmitter + Receiver (TX+RX Mode)

This mode is used for automatic pairing between the Transmitter (TX) and Receiver (RX) units, providing a dedicated wireless link for stable transmission.

1. Connect the Receiver (RX) unit to an HDMI input port on your TV, projector, or monitor.
2. Connect the USB power cable to the RX unit and plug the other end into a 5V/1A power adapter or a USB port on your display that provides sufficient power.
3. Connect the Transmitter (TX) unit to the Type-C port of your source device (e.g., laptop, smartphone with Type-C video output). The TX unit typically draws power directly from the source device.
4. Switch your display's input source to the HDMI port where the RX unit is connected.
5. The TX and RX units will automatically pair within a few seconds. No manual configuration is needed.
6. Your source device's screen will now be displayed on the larger screen.



Figure 3.2: Connection steps for using both Transmitter and Receiver units.

Note on Power: If the HDMI source device's power output is insufficient for the RX unit, please connect an external 5V/1A power adapter to the RX unit's USB power port.

4. Operating Instructions

4.1 Screen Mirroring from iOS Devices (RX Mode)

1. Ensure the RX unit is powered on and connected to your display.
2. On your iOS device (iPhone/iPad), swipe down from the top-right corner (or up from the bottom for older models) to open Control Center.
3. Tap the "Screen Mirroring" icon.
4. Select the RX device (e.g., "UniMirrorLite-xxxxxx") from the list.
5. Your iOS device's screen will now be mirrored. To stop mirroring, tap "Stop Mirroring" in the Control Center.



Figure 4.1: iOS Screen Mirroring steps.

4.2 Screen Casting from Android Devices (RX Mode)

1. Ensure the RX unit is powered on and connected to your display.
2. On your Android device, navigate to Settings.
3. Look for connection options such as "More connectivity options," "Smart View," "Cast," "Wireless Projection," or similar. The exact path may vary by device manufacturer.
4. Enable the casting feature and select the RX device (e.g., "UniMirror-xxxxxx") from the list.
5. Your Android device's screen will now be cast to the display.



Figure 4.2: Android Screen Casting steps (example from Huawei device).

4.3 Connecting from Windows PC (TX+RX Mode or RX Mode)

1. Ensure the RX unit is powered on and connected to your display.

2. **For TX+RX Mode:** Connect the TX unit to a compatible Type-C port on your Windows PC. The display should automatically extend or mirror.
3. **For RX Mode:** On your Windows PC, right-click on the desktop and select "Display settings."
4. Scroll down and click on "Connect to a wireless display."
5. Select the RX device (e.g., "UniMirror-xxxxxx") from the list of available wireless displays.
6. Your PC screen will now be displayed on the larger screen.

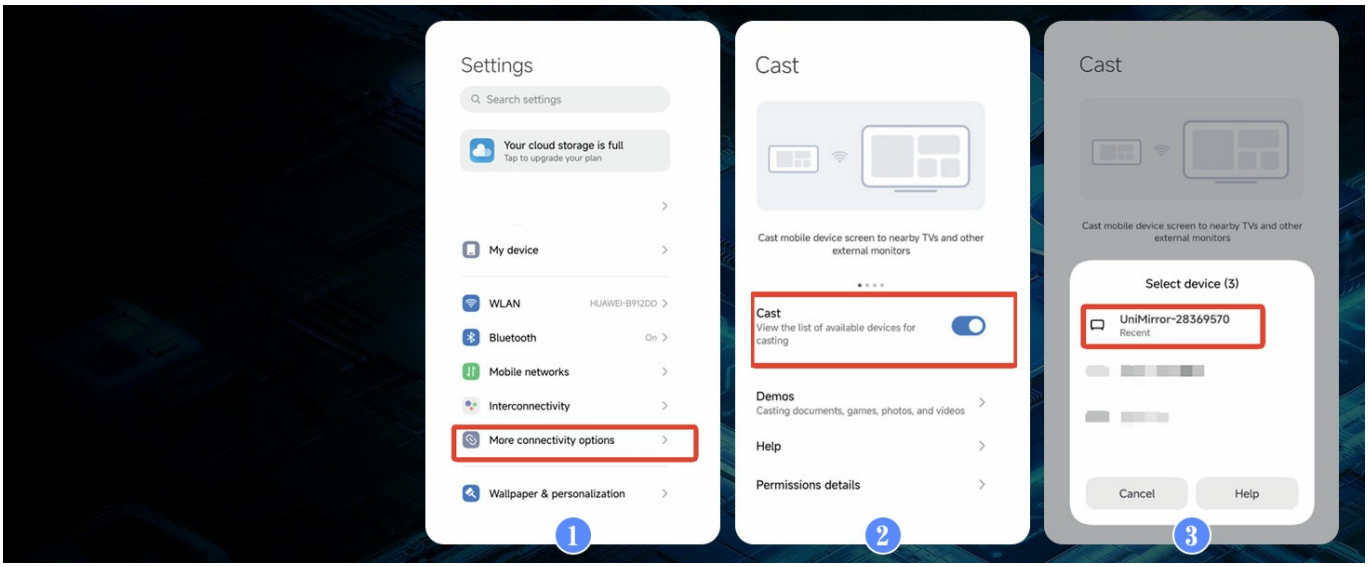


Figure 4.3: Windows PC connection steps.

4.4 Extended Screen Mode

When connecting a PC (especially in TX+RX mode), you can choose between "Mirror Mode" (duplicate display) and "Extend Mode" (use the external display as a second monitor).

1. After connecting your PC to the wireless display, access your computer's display settings.
2. Look for options like "Multiple displays" or "Projection mode."
3. Select "Extend" to use the external display as an extension of your primary screen, or "Duplicate" to mirror your primary screen.

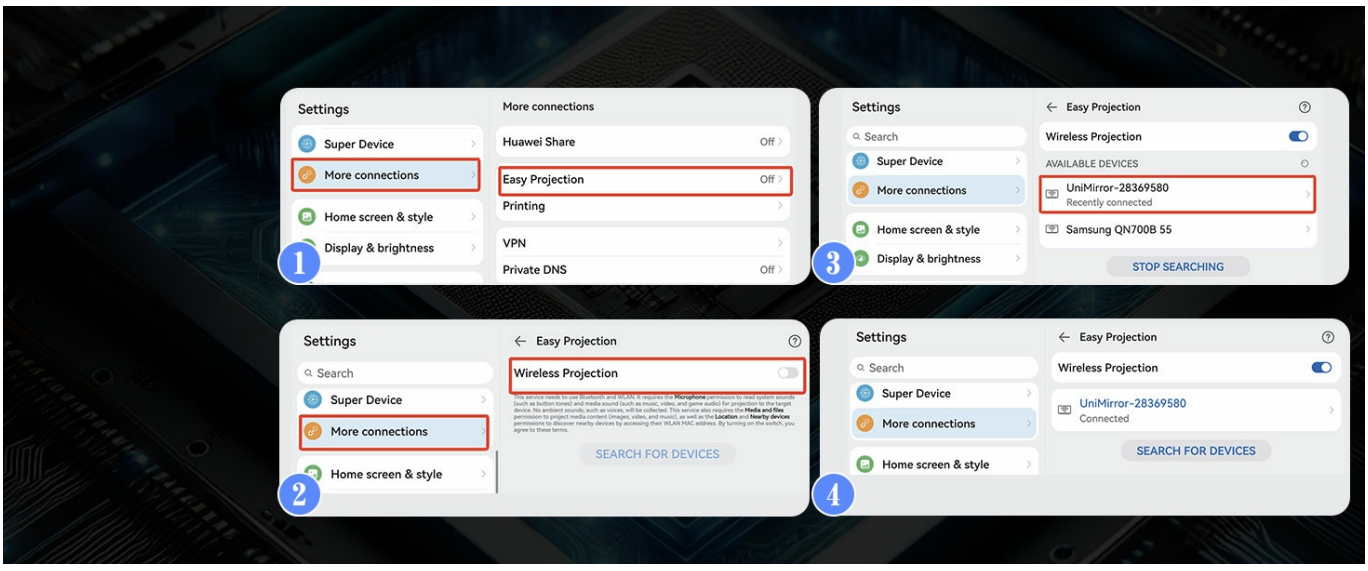


Figure 4.4: Extended Screen Mode vs. Copy Mode.

5. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the units to physical shock. Do not attempt to disassemble or modify the device, as this will void the warranty.
- **Power Supply:** Always use the recommended 5V/1A power supply for the RX unit if the display's USB port is insufficient. Using an incorrect power supply may damage the device.
- **Ventilation:** Ensure the units have adequate ventilation during operation to prevent overheating.

6. Troubleshooting

If you encounter issues with your BDFFLY Wireless HDMI system, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No signal or connection	RX unit not powered, incorrect HDMI input, out of range, pairing issue (TX+RX mode)	1. Ensure RX unit is powered (use external 5V/1A adapter if needed). 2. Select correct HDMI input on your display. 3. Reduce distance between TX/RX units. 4. For TX+RX mode, ensure both units are connected and wait for automatic pairing.
Video lag or stuttering	Excessive distance, physical obstacles, wireless interference	1. Reduce distance between TX/RX units. 2. Minimize physical obstacles (walls, furniture) between units. 3. Avoid placing units near other strong wireless devices (e.g., Wi-Fi routers).
Overheating of units	Poor ventilation, prolonged use, high ambient temperature	1. Ensure units are in a well-ventilated area. 2. Disconnect units when not in use. 3. If using TX with a PC that has its own HDMI port, consider using that port for direct connection if overheating persists with TX unit.
Device not found during mirroring/casting	Device compatibility, incorrect settings on source device	1. Verify your source device supports screen mirroring/casting. 2. Check your device's settings for the correct mirroring/casting function. 3. Ensure the RX unit is powered and displaying its standby screen.

7. Specifications

Feature	Detail
Brand	BDFFLY
Model Number	DT276W-E
Color	White
Channels	2

Feature	Detail
Features	1080p support, 2.4G/5G support, Wireless transmission, Low latency, Audio/video sync
Max Transmission Range	50 meters (165 feet)
Voltage	5V (DC)
Product Dimensions (D x W x H)	80mm x 10mm x 50mm
Product Weight	80 grams
Included Components	Wireless HDMI Transmitter, Wireless HDMI Receiver
Compatible Devices	Mac, Windows, Smartphones, TVs, PCs, Projectors
Origin	China

8. Warranty

This BDFFLY Wireless HDMI Transmitter & Receiver (Model DT276W-E) comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

9. Support

If you require further assistance, have questions not covered in this manual, or experience issues with your product, please contact BDFFLY customer support. Refer to your purchase platform or product packaging for specific contact information. Our support team is available to help you resolve any concerns.

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

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