

Elalight DT263W-A

Elalight Wireless HDMI Transmitter & Receiver

MODEL: DT263W-A USER MANUAL

1. Introduction and Overview

The Elalight Wireless HDMI Transmitter and Receiver system (Model DT263W-A) provides a reliable solution for extending Full HD 1080P HDMI signals wirelessly over long distances. Utilizing dual-band 2.4G/5G technology, this system offers stable transmission up to 500 meters (1640 feet) in open areas, making it suitable for various indoor and outdoor applications. It supports 4K decoding for input and outputs up to 1080p at 60Hz, ensuring clear and stable video with minimal latency.

The system features a Plug & Play design, eliminating the need for software installation, and includes an HDMI loop-out port on the transmitter for local monitoring.



Image 1: Elalight Wireless HDMI Transmitter and Receiver units.

2. Product Components

The Elalight Wireless HDMI system typically includes the following components:

- 1 x Wireless HDMI Transmitter Unit
- 1 x Wireless HDMI Receiver Unit
- Power Adapters (for Transmitter and Receiver)
- HDMI Cables (may vary by package)
- User Manual

Each unit is designed with dual antennas for enhanced signal strength and stability. The transmitter and receiver also feature 1/4-inch screw holes for easy mounting on cameras or other equipment, and support NP-F series batteries (not included) or USB-C power for portable use.



Wireless HDMI Transmitter & Receiver

Designed for Cameras



Low Latency



1080P Full HD



Multiple Power Supply Modes



No Software Needed



Remote Transmission

Image 2: Detailed view of the Transmitter and Receiver units.

3. Setup Instructions

Follow these steps to set up your Elalight Wireless HDMI system:

1. **Connect the Transmitter (TX):** Connect one end of an HDMI cable to your HDMI source device (e.g., DSLR camera, laptop, Blu-ray player) and the other end to the HDMI IN port on the Wireless HDMI Transmitter unit.
2. **Power the Transmitter:** Connect the power adapter to the Transmitter unit and plug it into a power outlet. Alternatively, for portable use, connect a power bank, NP-F series battery (not included), or USB-C power source.
3. **(Optional) Local Loop Out:** If you require a local display for monitoring, connect an HDMI cable from the HDMI LOOP OUT port on the Transmitter to a local monitor or TV.
4. **Connect the Receiver (RX):** Connect one end of an HDMI cable to the HDMI OUT port on the Wireless HDMI Receiver unit and the other end to the HDMI input of your display device (e.g., TV, projector).
5. **Power the Receiver:** Connect the power adapter to the Receiver unit and plug it into a power outlet. For portable use, connect a power bank, NP-F series battery (not included), or USB-C power source.

6. **Power On:** Ensure both the Transmitter and Receiver units are powered on. The units are pre-paired from the factory and should establish a wireless connection automatically.

The system is designed for Plug & Play operation, requiring no software installation.

4. Operating Instructions

Once both the Transmitter and Receiver are powered on and connected, the system will automatically establish a wireless link. The video and audio from your HDMI source will be transmitted wirelessly to your connected display.

- **Signal Indicator:** Observe the indicator lights on both units to confirm a stable connection.
- **Mirror/Extend Mode:** The system supports both mirror and extend modes, depending on your source device's display settings.
- **Low Latency:** The system offers low latency (approximately 0.1 seconds), suitable for real-time applications such as live camera feeds and sports broadcasts.



**Dual antenna for strong signal broadcast
and long distance transmission**

SIMPLE

SECURE

SPEED

STABLE



Image 3: Dual-band 2.4G/5G transmission for stable and efficient performance.

5. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid cleaners or solvents.
- **Storage:** Store the units in a cool, dry place when not in use.
- **Environmental Conditions:** Avoid exposing the units to extreme temperatures, humidity, or direct sunlight.
- **Cable Management:** Ensure all cables are connected securely and are not bent or crimped excessively.

6. Troubleshooting

If you encounter issues with your Wireless HDMI system, refer to the following troubleshooting tips:

- **No Signal or Unstable Connection:**
 - Ensure both Transmitter and Receiver are powered on and connected correctly.
 - If the connection is unstable or your source device (e.g., computer) cannot supply sufficient power to the Transmitter, connect the Transmitter to a dedicated 5V/2A power adapter.
 - Wireless signal strength can be affected by obstacles such as walls, bricks, or glass. Try to minimize obstructions between the Transmitter and Receiver.
 - Ensure the antennas on both units are securely attached and oriented for optimal signal reception.
- **Image Appears Sideways:**
 - Press the mirror/pair button on the Receiver unit to correct the image orientation.
- **No Audio:**
 - Verify that the audio output settings on your source device are configured correctly.
 - Check all HDMI cable connections.
- **Limited Range:**
 - The stated range of 500m (1640ft) is for open field conditions without interference. Obstacles will reduce the effective range.
 - Ensure there are no strong sources of wireless interference nearby.

7. Specifications

Brand	Elalight
Model	DT263W-A
Wireless Transmission Range	Up to 500m (1640ft) in open field
Input/Output Resolution	Supports 4K decoding, up to 1080p@60Hz Full HD
Wireless Frequency	2.4G / 5G Dual Band
Latency	Approx. 0.1 seconds
Connectivity Technology	Wireless (between TX/RX), HDMI (wired for source/display)

Special Features	Plug & Play, HDMI Loop Out, Dual Antenna, Low Latency, Mirror/Extend Mode, Portable, 1/4" Screw Hole for Camera Mounting, Multiple Power Supply Modes (Power Bank, NP-F Battery, USB-C)
Compatible Devices	TVs, Projectors, DSLR Cameras, Laptops, Blu-ray Players, Set-top Boxes, DVRs, AV Receivers, Computers, and other HDMI output devices.
Audio Output Types	Stereo
Number of Channels	3



1640FT Long Range Wireless Transmission

2.4G/5G Dual Band Strong Wireless Signal Penetration

STRONG PENETRATION

It can also transmit freely in complex home environment

based on the structure of the obstacle

50-90M/164-295FT

500M/1640FT (Line of sight)

Image 4: Illustration of long-range wireless transmission and penetration.

8. Warranty and Support

The Elalight Wireless HDMI Transmitter & Receiver (Model DT263W-A) is backed by a one-year limited warranty from the date of purchase.

For any questions, concerns, or technical support, please contact our customer service. You can typically find contact

information by clicking on the seller's name in your purchase history or on the product page and selecting "Ask a Question".

Applies to a variety of scenarios

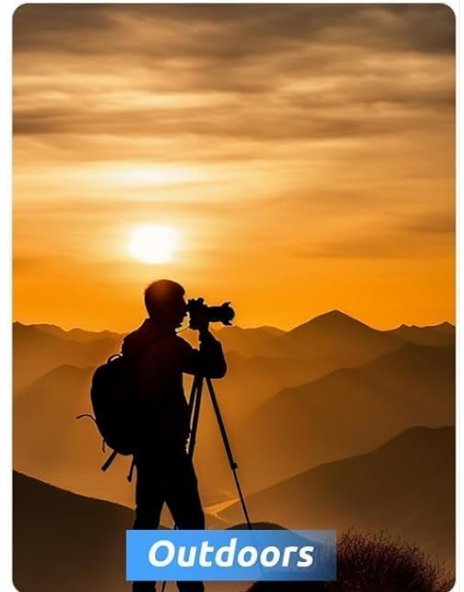


Image 5: Various application scenarios for the wireless HDMI system.

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