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Lixada DMX512 2.4G Wireless Receiver

Lixada DMX512 2.4G Wireless Receiver Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Lixada DMX512 2.4G Wireless Receiver. This device is designed to eliminate the need for DMX cables in stage lighting setups, offering a reliable wireless solution for controlling DMX-compatible lighting fixtures.

2. PRODUCT OVERVIEW

Key Features

- Wireless DMX512 control for stage lighting applications.
- Automatic 126-channel frequency hopping for strong anti-jamming capability, ensuring reliable operation.
- Up to 1000m (3280ft) wireless transmission distance with 23DBM high power output.
- Real-time signal data transmission with no noticeable delay.
- Operates on a 2.4G ISM frequency band.

Package Contents

- 1 x Lixada DMX512 2.4G Wireless Receiver
- 1 x Power Adapter
- 1 x User Manual (English)



Image 1: The Lixada DMX512 2.4G Wireless Receiver, a compact device with an antenna and an XLR connector.



Image 2: The DMX wireless receiver shown alongside its included power adapter.

3. SETUP INSTRUCTIONS

3.1 Power Connection

1. Connect the provided power adapter to the DMX receiver's power input port.
2. Plug the power adapter into a standard electrical outlet. The receiver will power on automatically.

3.2 Connecting to DMX Fixtures

1. Insert the DMX receiver directly into the 3-pin DMX input port of your stage lighting fixture (e.g., PAR light, moving head).
2. Ensure the connection is secure to prevent signal loss.



Image 3: A detailed view of the 3-pin XLR connector on the DMX receiver, ready for connection to a lighting fixture.



Image 4: The DMX wireless receiver plugged into the DMX input of a stage lighting unit, illustrating a typical setup.

4. OPERATING INSTRUCTIONS

4.1 Pairing with a DMX Transmitter

For wireless operation, the DMX receiver must be paired with a compatible DMX transmitter (sold separately). The pairing process is typically automatic:

1. Ensure both the DMX transmitter and receiver are powered on.
2. The devices will automatically search for and establish a connection on an available channel within the 2.4G ISM frequency band.
3. A stable connection is usually indicated by a specific LED status on both the transmitter and receiver. Refer to the device's LED indicator section (if present) for specific patterns and their meanings.

4.2 Signal Transmission

Once successfully paired, the receiver will wirelessly receive standard DMX512 protocol data from the transmitter. This data is then passed directly to the connected DMX lighting fixture, enabling remote control of its functions without physical DMX cabling.

5. MAINTENANCE

5.1 Cleaning

Wipe the exterior of the device with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the finish or internal components.

5.2 Storage

Store the receiver in a cool, dry place, away from direct sunlight, high humidity, and extreme temperatures when not in use.

5.3 Handling

Avoid dropping the device or subjecting it to strong impacts. Do not attempt to disassemble or modify the receiver, as this will void any applicable warranty and may cause permanent damage.

6. TROUBLESHOOTING

6.1 No Signal / Intermittent Signal

- **Check Power:** Ensure both the receiver and the DMX transmitter are properly powered on and their power adapters are securely connected.
- **Distance:** Verify that the receiver is within the effective operational range (up to 1000m line-of-sight) of the transmitter. Walls, large metal objects, and other obstacles can significantly reduce range.
- **Interference:** Other 2.4G wireless devices (e.g., Wi-Fi routers, Bluetooth devices, cordless phones) can cause interference. Try repositioning the receiver or transmitter, or temporarily disabling other 2.4G devices to identify the source of interference.
- **Pairing:** Confirm that the receiver is correctly paired with the transmitter. If unsure, power cycle both devices and allow them to re-establish a connection.

6.2 Device Not Responding

- **Power Cycle:** Disconnect and reconnect the power to both the receiver and the DMX lighting fixture.
- **DMX Connection Check:** If using a DMX cable between the receiver and the fixture, ensure it is securely connected and not damaged.
- **Fixture Compatibility:** Ensure your lighting fixture is DMX512 compatible and configured correctly to receive DMX signals.

7. SPECIFICATIONS

Feature	Specification
Interface	RS485
Maximum Transmission Power	23DBM
Transmission Distance	1000m / 3280ft
Modulation Mode	GFSK
Working Frequency Range	2.400-2.4835GHz, ISM, 126 channels

Sensitivity	-94dBm
Material	Stainless steel
Item Size (D * H)	1.8 * 14cm / 0.7 * 5.5in
Item Weight	76g / 2.7oz
Power Source	Corded Electric
Color	DMX 512 Receiver
Shape	Cylindrical
Finish Type	Powder Coated, Brushed

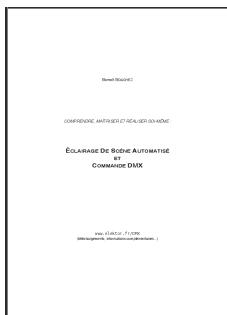
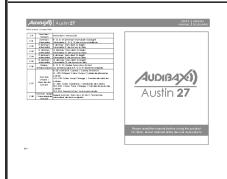
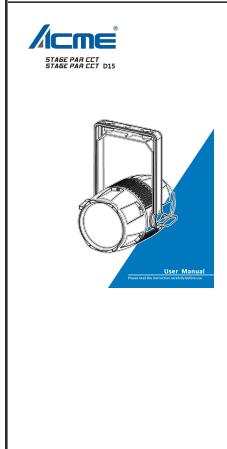
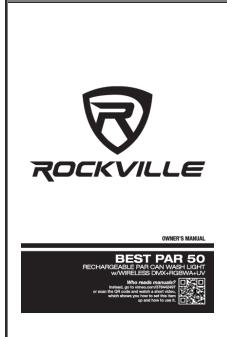
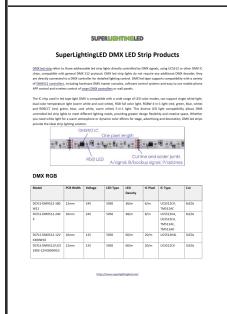


Image 5: Visual representation of the DMX receiver's communication distance (1000M) and maximum transmitting power (23dbm).

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Lixada DMX512 2.4G Wireless Receiver, please contact Lixada customer service through your original point of purchase. Do not attempt to repair the device yourself, as this may void your warranty and could lead to further damage or personal injury.

Related Documents - DMX512 2.4G Wireless Receiver

	<p><u>Understanding, Mastering, and DIY: Automated Stage Lighting and DMX Control</u></p> <p>A comprehensive DIY guide by Benoît Bouchez, published by Elektor, covering automated stage lighting and DMX control. Explore light sources, fixtures, special effects, and advanced control protocols like DMX512, RDM, MIDI, ArtNet, and ACN. This manual provides practical insights for understanding, mastering, and implementing stage lighting systems.</p>
	<p><u>AUDIBAX Austin 27 User Manual: DMX Control and Specifications</u></p> <p>Comprehensive user manual for the AUDIBAX Austin 27 lighting fixture, detailing DMX control channels, LED display menu functions, product specifications, and installation guidelines.</p>
	<p><u>ACME STAGE PAR CCT D15 User Manual - Technical Specifications and Operation Guide</u></p> <p>Comprehensive user manual for the ACME STAGE PAR CCT D15 stage lighting fixture. Includes safety instructions, technical specifications, installation guide, DMX512 configuration, troubleshooting, and cleaning procedures.</p>
	<p><u>Rockville Best Par 50 Rechargeable Par Can Wash Light Owner's Manual</u></p> <p>Comprehensive owner's manual for the Rockville Best Par 50 Rechargeable Par Can Wash Light, detailing features, safety instructions, operation, DMX control, installation, and troubleshooting. Includes RGBWA+UV and Wireless DMX capabilities.</p>
	<p><u>WZYBUTA 280W 10R Moving Head Beam Lamp User Manual</u></p> <p>User manual for the WZYBUTA 280W 10R Moving Head Beam Stage Light. This guide details installation, DMX512 control, menu operations, system information, error troubleshooting, product parameters, and maintenance for professional stage and DJ lighting applications. Features Philips 280W bulb, 17 Gobos, 15 Colors, Rainbow Effect, and Sound Activated modes.</p>
	<p><u>SuperLightingLED DMX LED Strip Products - Comprehensive Guide</u></p> <p>Explore the range of SuperLightingLED DMX LED strip products, including RGB, RGBW, RGBCCT, and White options. Learn about specifications, IC types, and control methods for addressable LED lighting solutions.</p>