OPPSK OK-105-36WL

OPPSK 120W 36LEDs RGBW DMX Light Bar User Manual

Model: OK-105-36WL

1. Product Overview

The OPPSK 120W 36LEDs RGBW DMX Light Bar is a versatile stage lighting fixture designed for various events, including weddings, churches, DJ sets, and live performances. It features 36 high-power RGBW LEDs, offering smooth color mixing and pixel mapping capabilities. The robust aluminum housing ensures durability and efficient heat dissipation. This light bar supports DMX512 and RDM protocols for advanced control.



Image 1.1: The OPPSK 120W 36LEDs RGBW DMX Light Bar with its detachable diffuser cover.

2. What's in the Box

Carefully unpack your OPPSK Light Bar and ensure all components are present:

- 1 x OPPSK 120W 36LEDs RGBW DMX Light Bar
- 1 x Detachable Light Cover (Diffuser)
- 2 x Mounting Brackets & Screws

- 1 x Power Cord
- 1 x User Manual (this document)

3. Important Safety Instructions

To ensure safe operation and prolong the life of your device, please read and follow these safety guidelines:

- Always connect the device to a grounded power outlet.
- Do not expose the device to rain or moisture.
- Ensure adequate ventilation around the fixture to prevent overheating.
- Avoid direct eye exposure to the light source, as it can be very bright.
- Disconnect power before cleaning or servicing the unit.
- Only use the device within its specified voltage range (110V AC).

4. Installation and Setup

4.1 Attaching Brackets

The light bar comes with two adjustable mounting brackets. These can be used for floor mounting, wall mounting, or truss mounting. Attach the brackets to the sides of the light bar using the provided screws. Ensure they are securely fastened.

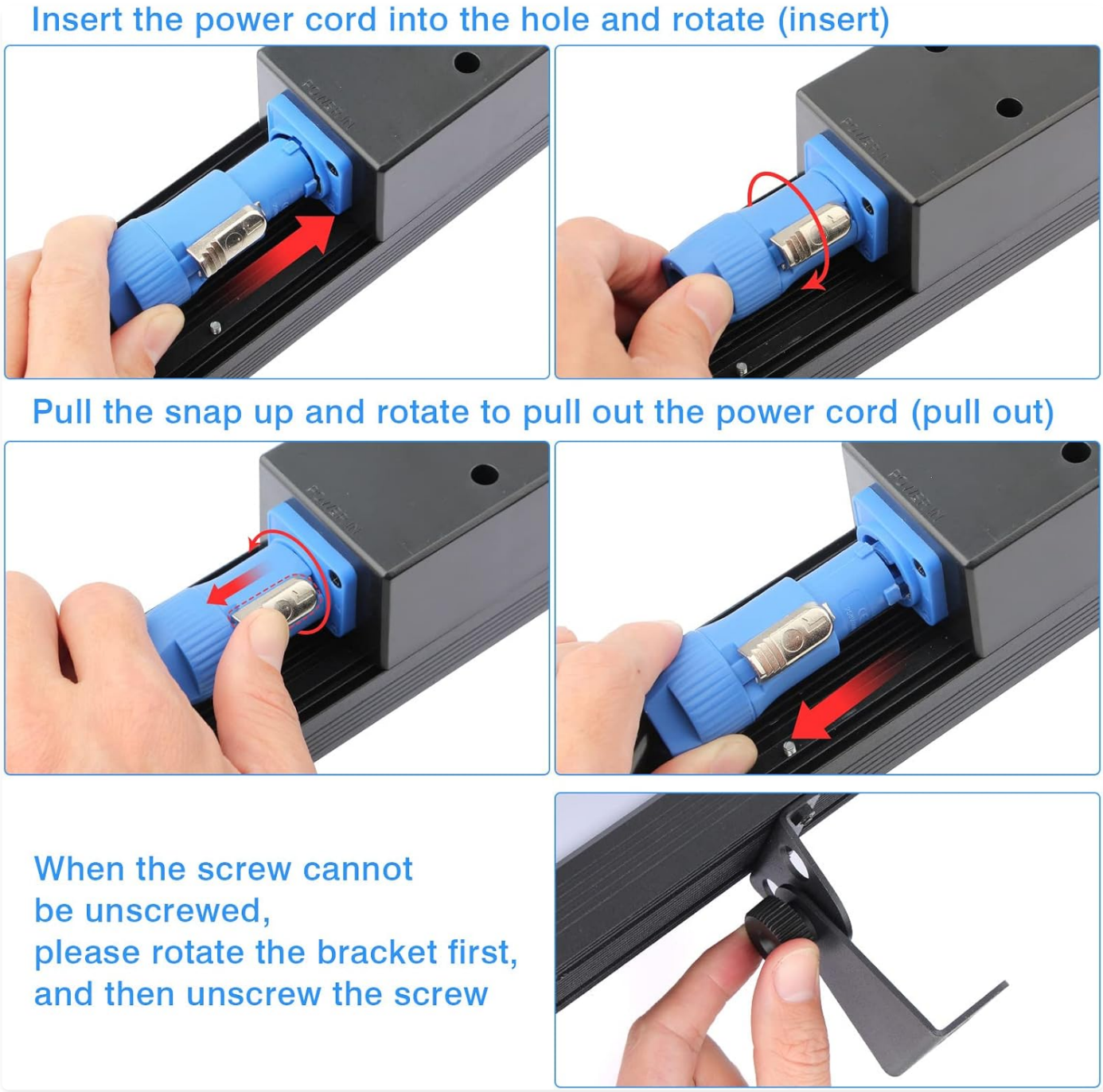


Image 4.1: Illustration of bracket adjustment and power cord connection/disconnection.

4.2 Power Connection

Connect the provided power cord to the 'Power IN' port on the light bar. The light bar features locking power connections, allowing for daisy-chaining power to multiple fixtures. To connect, insert the power cord into the port and rotate clockwise until it locks. To disconnect, pull the snap up and rotate counter-clockwise.



Image 4.2: Daisy-chaining power connections for multiple units.

4.3 DMX Connection

For DMX control, connect a DMX cable from your DMX controller to the 'DMX IN' port on the light bar. If linking multiple units, connect a DMX cable from the 'DMX OUT' of the first unit to the 'DMX IN' of the next unit in the chain.

5. Operating Instructions

5.1 Control Panel Overview

The light bar features a 4-button LED display on the rear for menu navigation and setting adjustments. Use the 'MENU', 'UP', 'DOWN', and 'ENTER' buttons to select modes, adjust parameters, and confirm settings.

5.2 DMX Control and RDM Compatibility

The OPPSK Light Bar is fully DMX512 compatible, allowing for precise control over colors, effects, and intensity. It supports various DMX channel modes to suit different control needs. Refer to the DMX chart in the appendix (if applicable) for detailed channel assignments.
This fixture is also RDM (Remote Device Management) compatible. RDM allows you to remotely configure and monitor the fixture's settings from your DMX controller, eliminating the need for physical access to the unit for adjustments like DMX address or mode changes.



Image 5.1: The light bar can be controlled via DMX consoles or RDM-enabled software.

5.3 Standalone Modes and Effects

The light bar includes numerous built-in programs, static colors, and chasing functions that can be accessed directly from the control panel without an external DMX controller. These programs offer a wide range of dynamic lighting effects suitable for various atmospheres.

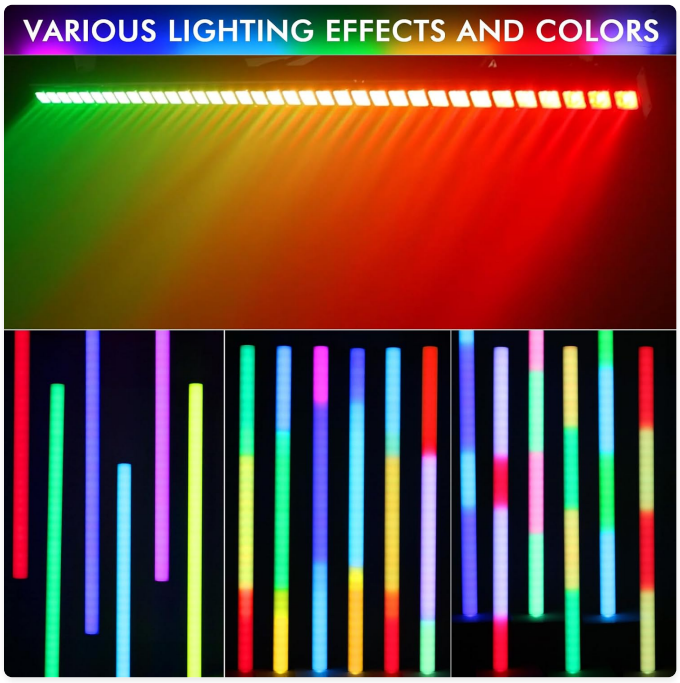


Image 5.2: Examples of various lighting effects and color combinations.

5.4 Detachable Diffuser Cover

The light bar features a detachable diffuser cover. With the cover installed, the light output is homogenized, creating a smooth, wall-wash effect without visible individual LED 'eyes'. Removing the cover provides a more direct, intense beam, suitable for pixel-mapped displays or brighter illumination.



Image 5.3: The light bar can function as a wall washer with the cover or a pixel light bar without it.



Image 5.4: Visual comparison of light effects with and without the diffuser cover.

6. Maintenance

Regular maintenance helps ensure optimal performance and longevity of your light bar:

- **Cleaning:** Periodically clean the exterior of the light bar with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Lens Cleaning:** Gently wipe the LED lenses with a soft, lint-free cloth to maintain light output clarity.
- **Inspection:** Regularly check power and DMX cables for any signs of damage. Ensure all connections are secure.
- **Storage:** When not in use, store the light bar in a dry, dust-free environment, preferably in its original packaging or a protective case.

7. Troubleshooting

If you encounter issues with your OPPSK Light Bar, refer to the following common problems and solutions:

- **No Power:**
  - Check if the power cord is securely connected to both the light bar and the power outlet.
  - Verify that the power outlet is functional.
  - Ensure the power cable is not damaged.
- **No DMX Control:**
  - Check DMX cable connections between the controller and the light bar, and between chained units.
  - Verify the DMX address of the light bar matches the address set on your controller.
  - Ensure the DMX mode on the light bar is correctly selected.
  - Try a different DMX cable.
- **Incorrect Color Output / Flickering:**
  - If using DMX, check your DMX programming for correct channel values.
  - Ensure the light bar is not in a conflicting standalone mode if DMX is also connected.

- Verify power supply stability.

- **Overheating:**
  - Ensure the light bar has adequate airflow and is not obstructed.
  - Operate the device within recommended ambient temperatures.

If problems persist, contact customer support for further assistance.

8. Product Specifications

Feature	Specification
Model Number	OK-105-36WL
Brand	OPPSK
Light Source	36 x RGBW LEDs
Wattage	120 Watts (Max)
Voltage	110 Volts (AC)
Color	RGBW
Material	Aluminum
Finish Type	Aluminum
Product Dimensions	39.4"L x 2.2"W x 3.1"H
Item Weight	4.4 Pounds
Beam Angle	6 Degrees
Mounting Type	Floor Mount / Wall Mount
Average Life	50,000 Hours

9. Warranty and Customer Support

OPPSK products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the warranty card included with your purchase or visit the official OPPSK website.
If you have any questions, require technical assistance, or need to report an issue, please contact OPPSK customer support through the retailer where you purchased the product or via the contact information provided on the official OPPSK website.
Please have your model number (OK-105-36WL) and purchase date ready when contacting support.

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