

Maxspect MJ-L165

Maxspect Jump MJ-L165 65W LED Lighting System User Manual

Model: MJ-L165

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Maxspect Jump MJ-L165 65W LED Lighting System. Please read this manual thoroughly before using the product to ensure proper function and longevity. The Maxspect Jump MJ-L165 is an advanced LED lighting system designed for aquatic environments. It features a full-spectrum output with multi-phase color temperature technology, allowing for configuration to various color spectrums without compromising performance.

2. PRODUCT FEATURES

- **Full-Spectrum Output:** Utilizes a comprehensive array of LED colors to support diverse aquatic life.
- **Multi-Phase Color Temperature Technology:** Enables easy adjustment of color spectrums.
- **High Power Efficiency:** Rated at 65W for effective illumination.
- **Compact Design:** Dimensions of 8.5 x 7 x 1.5 inches and a weight of 1.8 lbs.
- **LED Configuration:** Includes 6x Hyper Red, 6x Green, 6x Blue, 6x Warm White, 6x Cyan Blue, 4x Deep Blue, 2x Ultraviolet 390nm, 2x Violet 410nm, 2x Royal Blue, and 2x Cool White LEDs.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged. The package should contain:

- Maxspect Jump MJ-L165 LED Lighting Unit
- Mounting Arm/Bracket
- Power Adapter and Cord
- User Manual (this document)



Figure 3.1: Maxspect Jump MJ-L165 LED Lighting System with its adjustable mounting arm.

4. SETUP INSTRUCTIONS

4.1 Mounting the Light Fixture

1. **Assemble the Mounting Arm:** Attach the mounting arm components as shown in the diagram. Ensure all screws are tightened securely.
2. **Attach to Aquarium:** Secure the mounting bracket to the rim of your aquarium. Adjust the bracket to fit the thickness of the tank glass or acrylic.
3. **Position the Light:** Connect the LED lighting unit to the mounting arm. Adjust the arm's angle and height to achieve the desired light coverage over your aquarium. Refer to the dimensions diagram for optimal positioning.



Figure 4.1: Dimensional diagram illustrating mounting options and coverage area. The light can cover an area of approximately 12 x 24 inches.

4.2 Power Connection

1. **Connect Power Cord:** Insert the power cord into the designated port on the LED lighting unit.
2. **Plug into Outlet:** Plug the power adapter into a standard electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety in aquatic environments.



Figure 4.2: Underside of the Maxspect Jump MJ-L165, showing the cooling fan and power input connection point.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Once connected to power, the unit should power on. To turn off the unit, disconnect it from the power source. For daily operation, it is recommended to use a timer (not included) to control the light cycle.

5.2 Adjusting Light Spectrum and Intensity

The Maxspect Jump MJ-L165 allows for configuration of different color spectrums. Specific controls for spectrum and intensity adjustment are typically managed via a dedicated controller or a mobile application (if available for this model). Refer to the separate controller/app manual for detailed instructions on programming light cycles, intensity levels, and color channels.



Figure 5.1: Detailed view of the multi-color LED array, showcasing the various diodes responsible for the full-spectrum output.

6. MAINTENANCE

6.1 Cleaning the Light Fixture

- **Disconnect Power:** Always unplug the unit from the power outlet before performing any maintenance.
- **Clean Exterior:** Use a soft, damp cloth to wipe the exterior of the light fixture. Avoid using abrasive cleaners or solvents, as these can damage the finish or LED lenses.
- **Clean Fan and Vents:** Periodically inspect and clean the cooling fan and ventilation openings to ensure proper airflow. Use a soft brush or compressed air to remove dust and debris.
- **Clean LED Lenses:** Gently wipe the LED lenses with a soft, lint-free cloth to remove salt creep or water spots, which can reduce light output.

6.2 Regular Inspection

Regularly check the power cord for any signs of damage. Ensure the mounting arm remains securely fastened to the aquarium. Address any issues promptly to prevent potential hazards.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power adapter.	Check power outlet. Ensure all connections are secure. Test with another outlet. Contact support if adapter is suspected faulty.

Problem	Possible Cause	Solution
Light output is dim or inconsistent.	Dirty LED lenses, incorrect settings, partial component failure.	Clean LED lenses as per maintenance section. Verify settings via controller/app. If problem persists, contact support.
Fan is noisy or not operating.	Dust/debris in fan, fan malfunction.	Clean fan and vents. Ensure nothing obstructs fan blades. If noise continues or fan fails, contact support.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Maxspect customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	MJ-L165
Brand	Maxspect
Rated Power	65W
Light Source Type	LED
Power Source	Corded Electric
Coverage Area	12 x 24 inches (approximate)
Dimensions (L x W x H)	8.5 x 7 x 1.5 inches
Item Weight	1.8 lbs (approx. 816 grams)
Number of Light Sources	1 (unit)
Batteries Included	No

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Maxspect website. Warranty terms and conditions may vary by region and retailer.

For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact your authorized Maxspect dealer or Maxspect customer service directly. Contact information can typically be found on the manufacturer's website.