

Olaalite OL-A003

Olaalite OL-A003 3D RGB Full Color Animation Laser Light Instruction Manual

Model: OL-A003 | Brand: Olaalite

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the Olaalite OL-A003 laser light. Retain this manual for future reference.

- **Laser Radiation Warning:** Avoid direct eye exposure to the laser beam. Laser light can cause eye damage. Do not look directly into the aperture.
- **Children Safety:** Keep this device out of reach of children. Adult supervision is required during operation.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Power Supply:** Use only the specified power adapter and connect to a grounded power outlet (110V). Disconnect power before cleaning or servicing.
- **Internal Noise:** The built-in motor may produce a spinning sound during operation. This is normal and indicates proper function, not a defect.
- **Operating Environment:** Do not expose the unit to rain, moisture, extreme temperatures, or dusty environments.

2. PRODUCT OVERVIEW

The Olaalite OL-A003 is a 3D RGB Full Color Animation Laser Light designed for stage, party, club, and DJ applications. It features a precision Galvo scanning system for dynamic visual effects.

2.1 Features

- **Professional 3D Animation:** Utilizes a precision Galvo scanning system to project 3D animated graphics, various beams, and patterns.
- **Full Color Output:** Generates red, green, blue, and mixed color combinations including yellow, indigo, purple, and white.
- **Multiple Control Modes:** Supports Auto, DMX512, Music Sound, Master/Slave, and Remote Control operation.
- **DMX Channels:** Offers 6 or 34 DMX channels for comprehensive control over movement, rotation, zoom, color changes, and speed.
- **Versatile Application:** Ideal for stage lighting, DJ setups, disco clubs, bars, parties, weddings, and family gatherings.

2.2 Package Contents

- Olaalite OL-A003 Laser Light Unit
- Power Cable
- Remote Control (1 CR2 battery included)
- Mounting Bracket
- User Manual



Figure 1: Olaalite OL-A003 Laser Light with remote and example projections.



Figure 2: Examples of animated laser patterns.

3. SETUP

Follow these steps to set up your Olaalite OL-A003 laser light:

1. **Unpack:** Carefully remove the laser light unit and all accessories from the packaging.
2. **Mounting:** Attach the included mounting bracket to the unit. Securely mount the unit to a stable surface (e.g., floor, truss, ceiling) using appropriate hardware (not included). Ensure the projection area is clear and safe.
3. **Power Connection:** Connect the power cable to the unit's power input and then to a standard 110V AC power outlet.
4. **Remote Control Battery:** The remote control requires one CR2 battery, which is included. Ensure it is correctly installed before use.



Operation Mode: Auto, DMX512, Sound activated,
Master / Slave, Remote
DMX Channel: 6CH / 34CH

Figure 3: Rear panel connections and controls.

4. OPERATING MODES

The Olaalite OL-A003 offers several operating modes to suit various applications:

- **Auto Mode:** The unit automatically cycles through its pre-programmed patterns and effects. This mode is suitable for continuous, dynamic displays without external control.
- **Music Sound Mode:** The laser effects respond to ambient sound or music detected by the unit's built-in microphone. The patterns and speed will synchronize with the beat.
- **DMX512 Mode:** For professional control, connect the unit to a DMX controller. This allows precise manipulation of laser movement, patterns, colors, and other parameters. The unit supports both 6-channel and 34-channel DMX configurations.
- **Master/Slave Mode:** Link multiple OL-A003 units together. One unit is designated as the 'Master' and controls the 'Slave' units, ensuring synchronized light shows across all connected devices.
- **Remote Control Mode:** Use the included infrared remote control for convenient selection of modes, patterns, colors, and other basic functions from a distance. Ensure a clear line of sight to the unit's IR receiver.

To switch between modes, use the 'MENU' button on the unit's rear panel or the corresponding buttons on the remote control.

5. DMX CONTROL

For advanced control, connect the OL-A003 to a DMX512 controller.

1. Connect a DMX cable from your DMX controller's output to the 'DMX IN' port on the OL-A003.
2. If linking multiple units, connect a DMX cable from the first unit's 'DMX OUT' port to the next unit's 'DMX IN' port, and so on.
3. On the unit's display, select either '6CH' or '34CH' DMX mode using the 'UP' and 'DOWN' buttons, then press 'ENTER'.
4. Refer to your DMX controller's manual and the OL-A003's DMX channel chart (typically provided in a separate DMX guide or detailed specification sheet) for specific channel assignments and functions (e.g., pattern selection, color control, rotation, zoom, strobe).

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your laser light.

- **Cleaning:** Regularly clean the outer casing and the laser output lens with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Periodically check that the ventilation openings are free from dust and debris. Use compressed air if necessary to clear blockages.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Servicing:** Do not attempt to open the unit or service the laser module yourself. Refer all servicing to qualified personnel.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; power cable loose; faulty outlet.	Check power cable connection; try a different outlet; ensure power switch is ON.
No laser output.	Unit in standby; mode not selected; laser aperture blocked.	Ensure unit is powered on and not in standby mode; select an operating mode; check for obstructions.
Remote control not working.	Battery depleted; no line of sight; IR receiver blocked.	Replace CR2 battery; ensure direct line of sight to the unit's front panel; clear any obstructions.
Laser beams are not clearly visible.	Lack of atmospheric haze/smoke.	For optimal beam visibility, use a fog or haze machine. Without atmospheric particles, only patterns on surfaces will be clearly visible.
Unit makes a spinning sound.	Normal operation of internal motor.	This is normal and indicates the Galvo scanning system is functioning. No action required.

8. SPECIFICATIONS

Feature	Detail
Model	OL-A003
Brand	Olaalite
Color Output	RGB Full Color (Red, Green, Blue, and mixed colors)

Feature	Detail
Light Source Type	LED Laser
Control Modes	Auto, DMX512, Music Sound, Master/Slave, Remote Control
DMX Channels	6CH / 34CH
Material	Aluminum
Product Dimensions (L x W x H)	7.8" x 6.1" x 3.1" (19.8 cm x 15.5 cm x 7.9 cm)
Item Weight	3.33 Pounds (1.51 kg)
Power Source	Corded Electric (110V)
Remote Battery	1 CR2 battery (included)
Mounting Type	Floor Mount (bracket included)
Special Features	Galvo scanning system for 3D animation



Figure 4: Product Dimensions.

9. WARRANTY AND SUPPORT

Olaalite products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact Olaalite customer service through the retailer where the product was purchased or visit the official Olaalite website. Please have your model number (OL-A003) and purchase date available when contacting support.

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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