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> Gruolin GL-A02 3D RGB Full Color Animation DJ Laser Light Instruction Manual

Gruolin GL-A02

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Model: GL-A02 | Brand: Gruolin

1. IMPORTANT SAFETY INFORMATION

This device emits visible or invisible laser radiation. Avoid direct eye or skin exposure to direct or scattered radiation. Always operate this device responsibly.

- Do not look directly into the laser aperture.
- Ensure proper ventilation to prevent overheating.
- Keep the device away from water, moisture, and flammable materials.
- Operate within the specified voltage range (AC90-240V 50/60Hz).
- Keep out of reach of children.

2. PRODUCT OVERVIEW

The Gruolin GL-A02 is a premium full-color 3D animation laser light designed for stage, party, club, bar, and DJ lighting. It features a professional Galvo scanning system and RGB (Red, Green, Blue) lasers to project a wide array of animated graphics and beam effects.



Figure 1: Gruolin GL-A02 Laser Light and its projected effects.

3. PACKAGE CONTENTS

- Gruolin GL-A02 Laser Light Unit
- Power Adapter (Corded Electric)
- USB Power Cable (for alternative power)
- Remote Control (requires 1 CR2032 battery, not included)
- Mounting Bracket with screws
- Instruction Manual (this document)

RGB FULL COLOR ANIMATION LASER LIGHT



Figure 2: Included items in the Gruolin GL-A02 package.

4. SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Attach Mounting Bracket:** Secure the included mounting bracket to the laser light unit using the provided screws. The bracket allows for versatile positioning on a flat surface, wall, or ceiling.
3. **Power Connection:**
 - Connect the power adapter to the device's power input (AC90-240V 50/60Hz) and then to a suitable power outlet.
 - Alternatively, use the USB power cable to connect the device to a compatible USB power source (e.g., laptop, power bank).
4. **Remote Control Battery:** Insert 1 CR2032 battery (not included) into the remote control.
5. **Positioning:** Place the laser light in a desired location, ensuring the projection area is clear and free from obstructions. Avoid pointing the laser directly at people or sensitive surfaces.

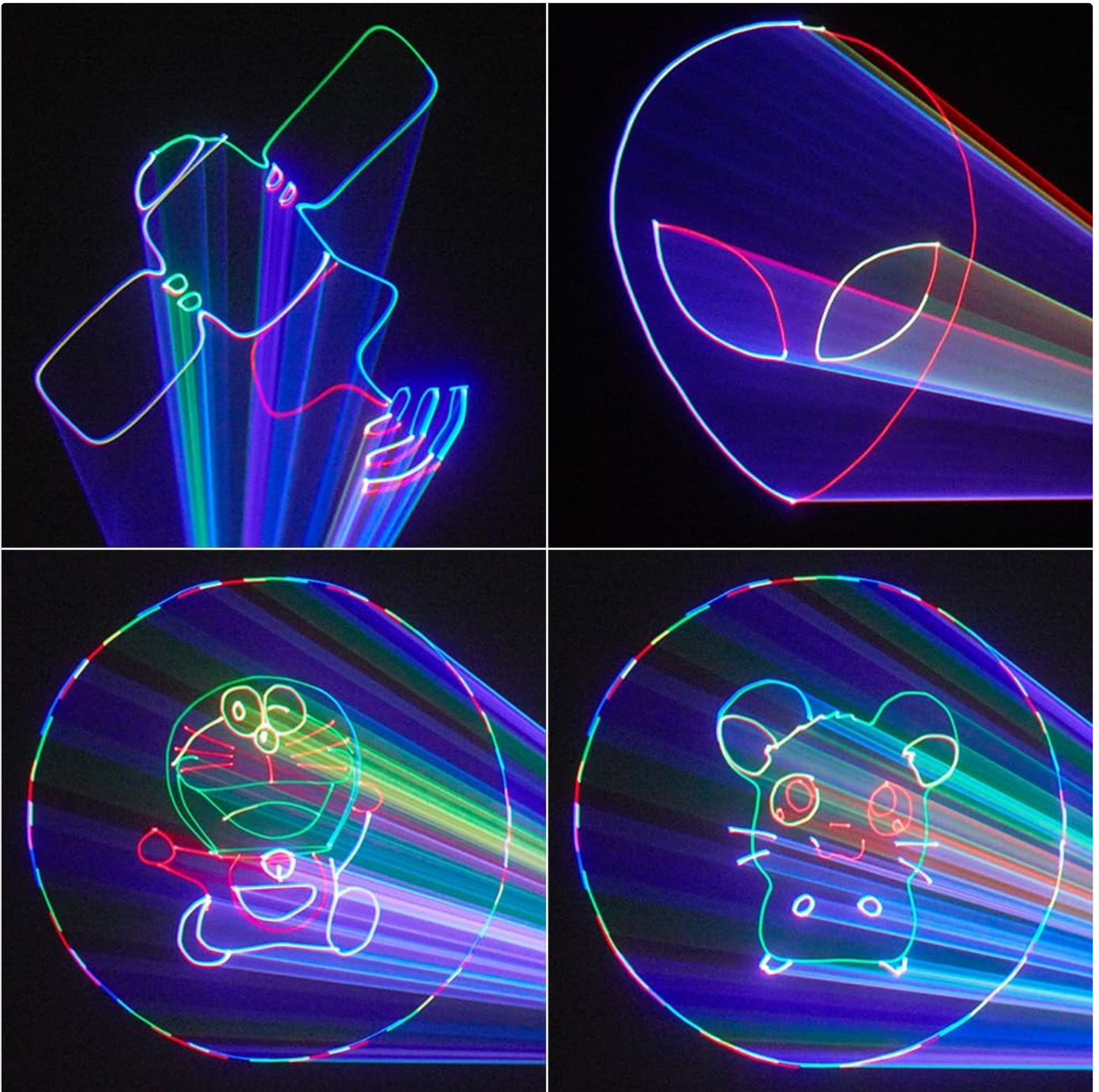


Figure 3: Rear panel of the GL-A02 with power and DMX connections.

5. OPERATING INSTRUCTIONS

The Gruolin GL-A02 offers multiple operation modes, controllable via the included remote or DMX512.

5.1. Control Panel Overview



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

Figure 4: Remote Control Layout.

- **ON/OFF:** Power button.
- **LED:** Toggles the LED disco ball effect.
- **LASER:** Toggles the laser effects.
- **A1, A2, A3:** Preset automatic modes with various combinations of LED and laser patterns.
- **FLASH:** Activates a strobe/flash effect.
- **MUSIC 1, MUSIC 2, MUSIC 3:** Sound-activated modes where effects respond to music rhythm.
- **PAUSE:** Freezes the current effect.
- **UP/DOWN/MENU/ENTER:** Used for navigating the device's built-in display settings (if applicable, for DMX address or advanced modes).
- **MIN/MAX:** Adjusts motor speed or effect intensity.

5.2. Operation Modes

- **Auto Mode:** The device cycles through various pre-programmed patterns and effects automatically. Selectable via remote (A1, A2, A3).
- **Sound Activated Mode:** The laser effects respond to ambient sound or music. Use MUSIC 1, MUSIC 2, or MUSIC 3 buttons on the remote.
- **DMX512 Mode:** For professional control, connect the device to a DMX controller using DMX IN/OUT ports. The device supports 6 and 34 DMX channels, allowing for precise control over movement, rotation, zoom, color changes, and other effects. Refer to the DMX chart in the full manual for channel assignments.

- **Master/Slave Mode:** Connect multiple GL-A02 units via DMX cables. Set one unit as "Master" and others as "Slave" for synchronized operation.

5.3. Enhancing Visual Effects

For the best laser beam and scanning effects, it is highly recommended to use the device in a smoky or hazy environment. Without smoke, you will primarily see patterns and animated graphics on surfaces, but the dynamic beams will be less visible.

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Video 1: Demonstration of 3D Animation Laser Party Light Effects, showcasing various patterns and beams in a smoky environment.

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Video 2: The ILD (Intelligent Laser Display) feature allows selection of specific animations for continuous playback, demonstrating pattern control.

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Video 3: RGB Animation Laser Light DJ Stage Light in action, showing various colorful patterns and effects suitable for different events.

6. MAINTENANCE

- **Cleaning:** Regularly clean the lens and casing with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.
- **Power Disconnection:** Always disconnect the power supply before cleaning or performing any maintenance.

7. TROUBLESHOOTING

- **No Power:** Check if the power adapter is securely connected and the power outlet is functional. Ensure the ON/OFF switch on the device is in the 'ON' position.
- **No Laser/LED Output:** Verify that the LED and LASER buttons on the remote control are activated. Check if the device is in a paused state.
- **Remote Not Responding:** Ensure the remote control battery is correctly inserted and has sufficient charge. Point the remote directly at the IR receiver on the device.
- **Effects Not Changing:** If in DMX mode, ensure the DMX controller is sending appropriate signals and the DMX address on the device is correctly set. In sound-activated mode, ensure there is sufficient audio input.
- **Weak or Incomplete Beams:** Ensure the environment has adequate smoke or haze for optimal beam visibility.

8. SPECIFICATIONS

Feature	Specification
Brand	Gruolin
Model Number	GL-A02
Color	RGB Full Color
Shape	Square
Material	Iron
Light Source Type	Laser
Power Source	Corded Electric
Voltage	240 Volts

Feature	Specification
Bulb Features	Multicolored
Number of Light Sources	3
Item Weight	3.45 Pounds
Product Dimensions	7.83"L x 6.38"W x 3.15"H
Batteries Required (Remote)	1 CR2032 (not included)
Operation Modes	Auto, DMX512, Sound activated, Master/Slave
DMX Channels	6 and 34 channels



Figure 5: Product dimensions of the GL-A02.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official Gruolin website. Keep your purchase receipt as proof of purchase.

