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> Gruolin DJ Laser Light with App Control, 3D Animation Stage Laser Machine Projector Instruction Manual

Gruolin GL-L04

Gruolin DJ Laser Light Instruction Manual

Model: GL-L04

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Gruolin DJ Laser Light. This device features advanced 3D animation capabilities, multiple control options including app, remote, and DMX, and is designed for various event settings such as parties, discos, clubs, and bars.



Image: The Guolin DJ Laser Light unit, showcasing its dual laser outputs, a remote control, and a smartphone displaying the control app interface. Laser beams are projected in the background.

Key Features:

- **Personalized Creation APP Laser:** Connect wirelessly to design custom 3D animations, edit text, draw patterns, and use simple pattern recognition or personalized programming. Over 200 built-in effects with a range of 10 meters.
- **2 Holes RGB Animation Laser:** Features two built-in precision Galvo scanning systems for double 3D animated graphics and hundreds of beams and patterns.
- **Full Color Marvelous Visual Effect:** Produces red, green, blue, yellow, indigo, purple, white, and other color combinations for dynamic beam and animated graphics.
- **Multiple Control Modes:** Auto, DMX512, Music Sound, Master/Slave, Remote, and APP control.
- **Optimal Performance with Smoke:** For the best dynamic beams and scanning effects, operation in a smoke-filled environment is recommended.

SAFETY INFORMATION

Please read and understand all safety warnings before operating this device. Failure to do so may result in injury or damage to the product.

- **Laser Radiation:** Avoid direct eye exposure to the laser beam. This product uses Class 3B lasers, which can cause eye injury if viewed directly.
- **Installation:** Ensure the device is securely mounted and stable to prevent accidental falls.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Power Supply:** Use only the specified power supply. Disconnect power before cleaning or servicing.
- **Moisture:** Do not expose the unit to rain or moisture.
- **Children:** Keep out of reach of children.

WHAT'S IN THE BOX

Verify that all components are present upon unpacking:

- DJ Laser Light Unit
- Power Adapter
- Remote Control (with 1 CR5 battery included)
- User Manual (this document)
- Mounting Bracket and Screws

SETUP

1. Physical Placement

Place the laser light on a stable, flat surface or mount it securely using the provided bracket. Ensure the laser output is directed away from direct eye level of the audience. Optimal performance is achieved in a dark environment, ideally with the use of a fog or smoke machine to enhance beam visibility.

THE AWESOME LASER EFFECT NEED TO ADD "SMOKE"

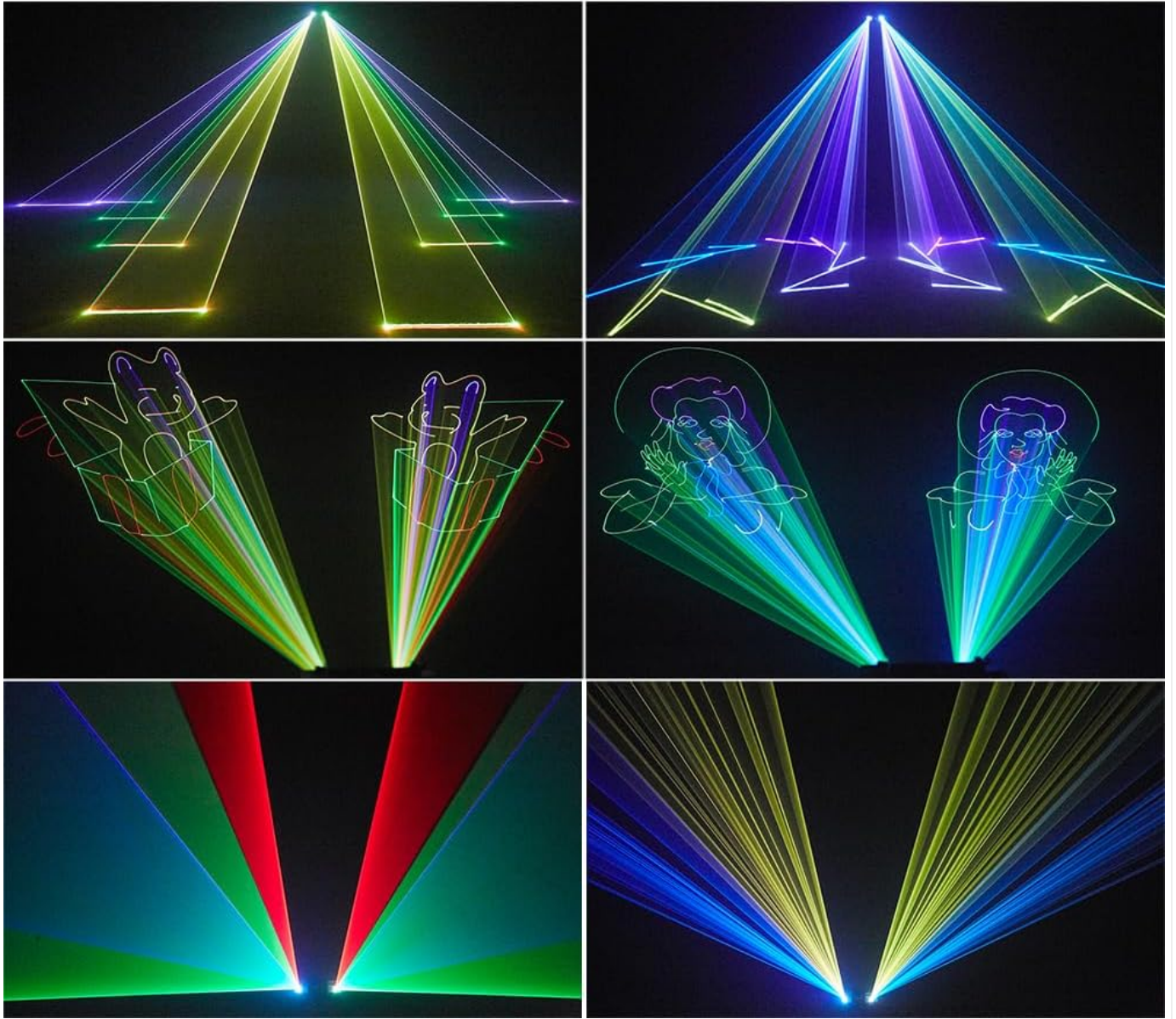


Image: A collage demonstrating various laser light effects. The top row shows clear, defined laser beams and patterns, while the bottom row shows the same effects with added smoke, illustrating how smoke enhances the visibility and dynamism of the laser beams.

2. Power Connection

Connect the power adapter to the unit's power input and then plug it into a suitable power outlet.

3. App Installation and Connection

To utilize the full range of customization features, download the dedicated control app to your mobile device (Android or Apple). The app allows for wireless connection to the laser light.



Image: A smartphone screen displaying the app control interface for the laser light, with options for hand-drawn patterns and text editing. The laser light unit is shown below, projecting patterns.

4. Remote Control Setup

The remote control comes with a CR5 battery pre-installed. If the remote does not respond, ensure the battery is correctly inserted or replace it if necessary.

OPERATING MODES

The Gruolin DJ Laser Light offers several operation modes to suit different needs and environments.

1. App Control

The mobile app provides comprehensive control over the laser light's features, allowing for personalized and dynamic light shows.

- **Custom Drawing:** Draw your own patterns directly within the app. The laser light will project these unique designs.

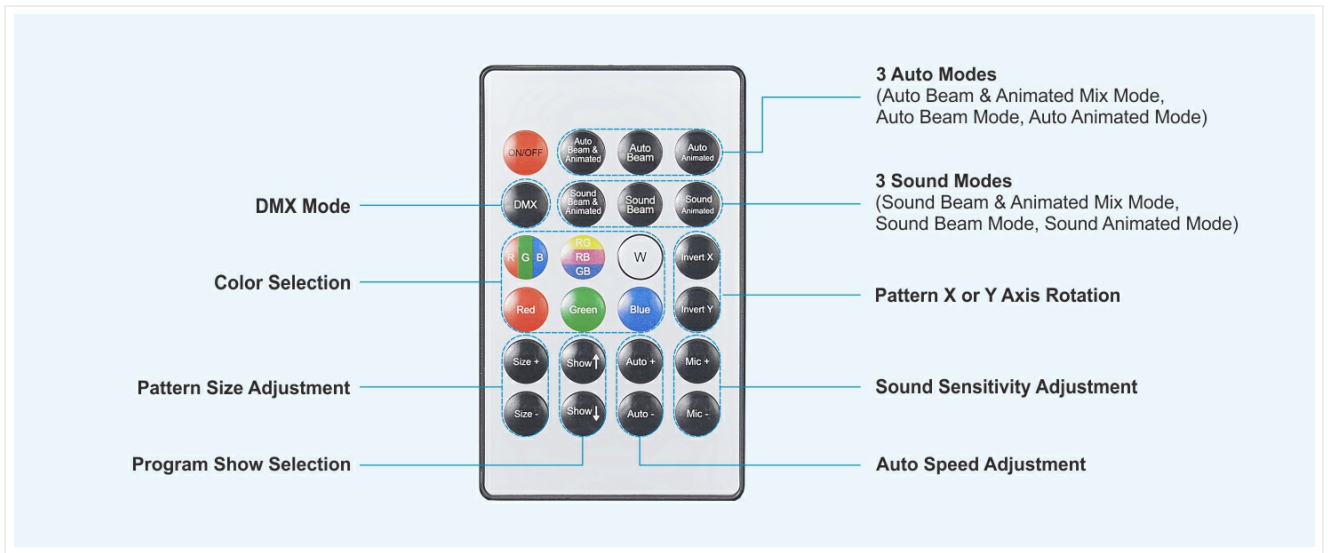


Image: A split image showing a hand drawing a pattern on a smartphone screen on the left, and the laser light projecting the drawn cake pattern on the right. The text indicates that the app cannot save patterns.

- **Text Playback:** Enter custom text, adjust size, distance, and flow speed. Up to 4 groups of text can be added, with playback duration up to 25.5 seconds per text or scene.



Image: A split image showing the text editing interface on a smartphone screen on the left, and the laser light projecting the word "Perfect" in colorful beams on the right. The text indicates that the app cannot save text.

- **Image Scanning:** Choose simple images from your device to scan and project. Note that only simple patterns are supported for scanning.



Image: A split image showing the image selection and scanning interface on a smartphone screen on the left, and the laser light projecting a frog-like character pattern on the right. The text indicates that the app cannot save patterns and only supports simple patterns.

- **Personalized Programming:** Program up to 20 scenes with your favorite patterns. Hand-drawn and text patterns cannot be programmed or saved.

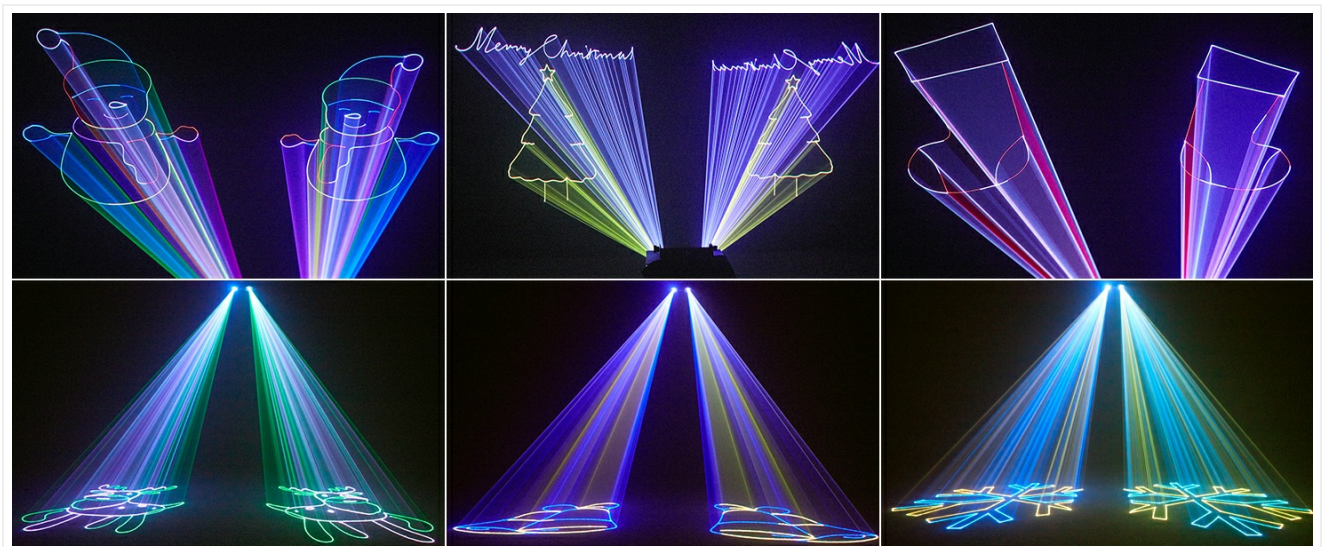


Image: A split image showing the scene editing interface on a smartphone screen on the left, and the laser light projecting complex geometric patterns on the right. The text indicates that hand-drawn and text patterns cannot be programmed or saved.

Video: A demonstration of the Smart APP 3D Animation DJ Laser Light in action, showcasing various dynamic laser patterns and text projections controlled via a mobile application. The video highlights the versatility and customization options available through the app.

Video: A demonstration of the DJ Laser Stage Light with App Control, displaying various laser effects and patterns. The video illustrates the different modes of operation, including app control, and the visual impact of the light in a dark setting.

2. Remote Control

The included remote control provides convenient one-key access to various functions.

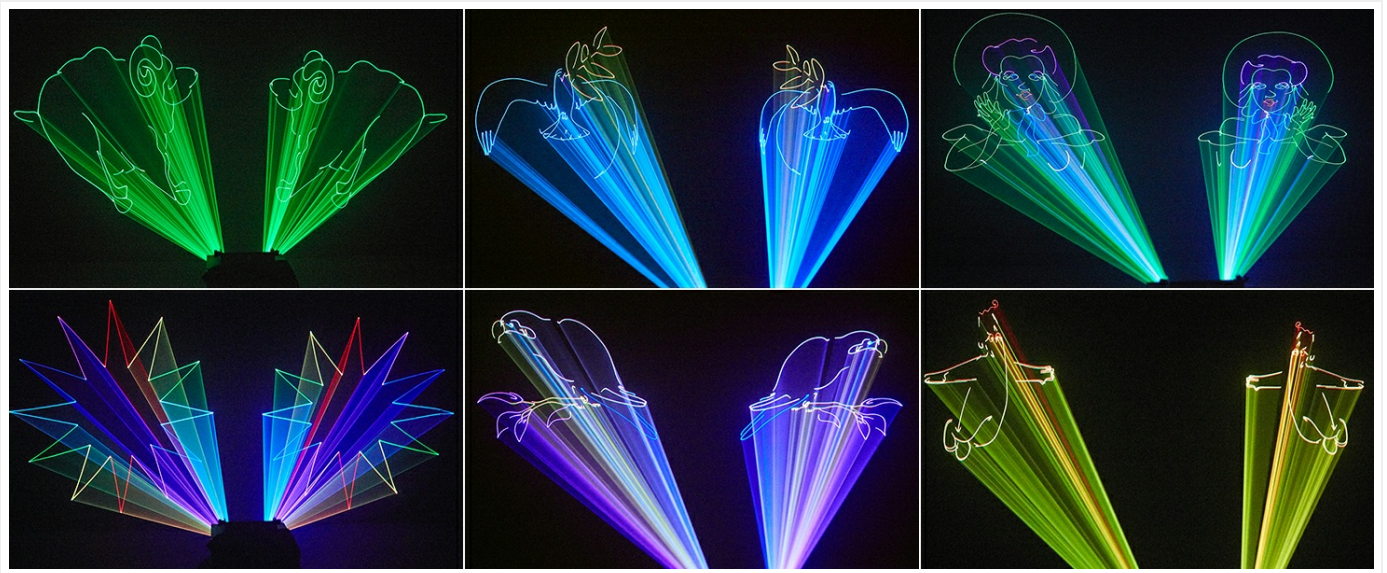


Image: A diagram of the remote control, detailing its buttons and their corresponding functions, including 3 Auto Modes (Auto Beam & Animated Mix, Auto Beam, Auto Animated), 3 Sound Modes (Sound Beam & Animated Mix, Sound Beam, Sound Animated), Color Selection, Pattern X or Y Axis Rotation, Pattern Size Adjustment, Sound Sensitivity Adjustment, Program Show Selection, and Auto Speed Adjustment.

3. DMX Control

For professional lighting setups, the unit supports DMX512 control with 16 channels, allowing integration into larger lighting systems.

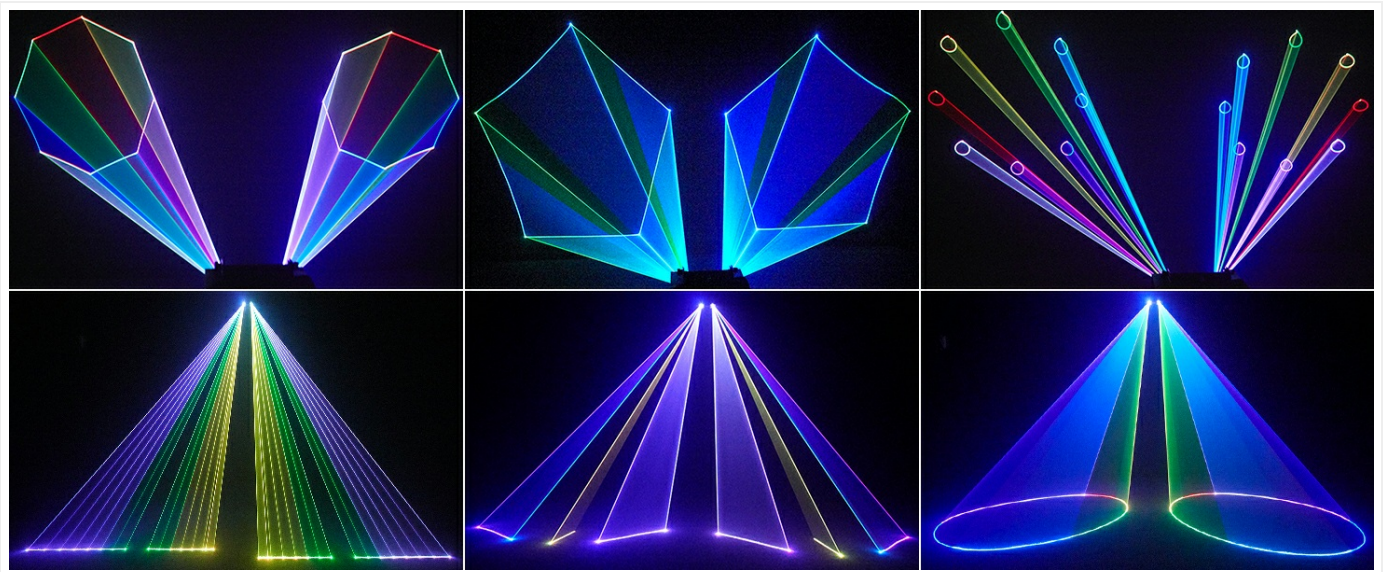


Image: The laser light unit connected to a DMX controller, demonstrating the 16-channel DMX control capability for advanced lighting effects.

4. Music Sound Mode

The laser light can react to music and sound, creating dynamic effects synchronized with audio. Adjust sound sensitivity for optimal response.

5. Master/Slave Mode

Connect multiple units to operate in a synchronized manner, with one unit acting as the master and others as slaves.

6. Auto Mode

The unit features various pre-programmed automatic effects, including beam and animated mixes, for continuous operation without manual input.

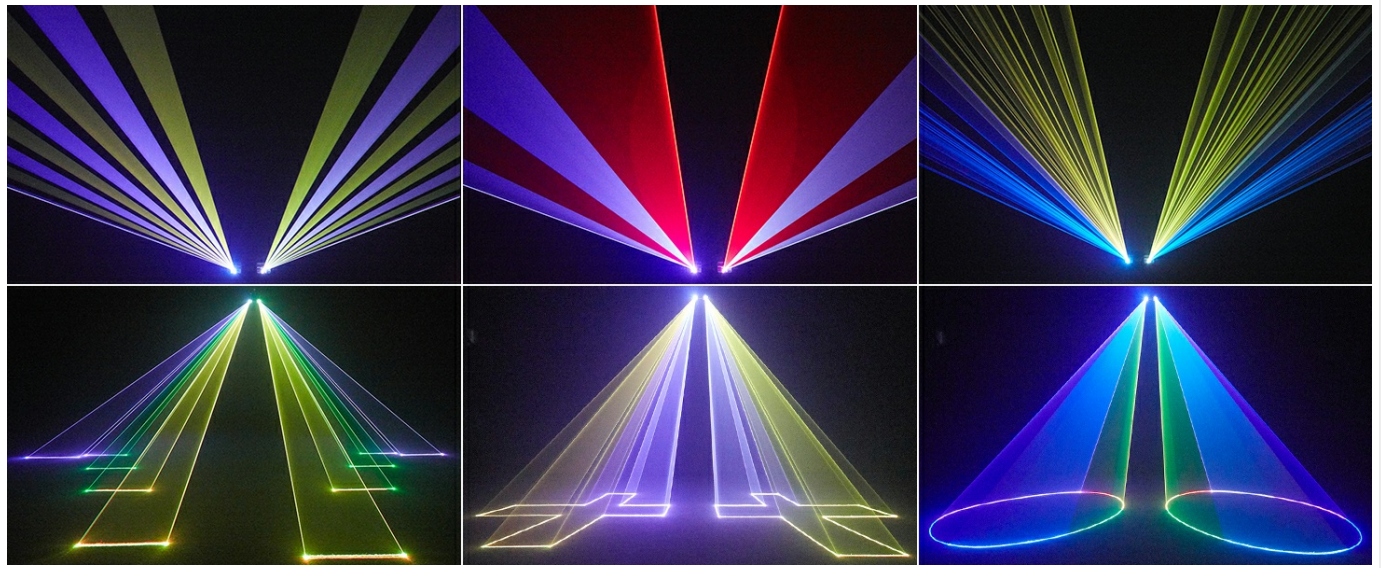


Image: A collage of six different laser beam patterns, showcasing various geometric shapes and dynamic movements created by the laser light.

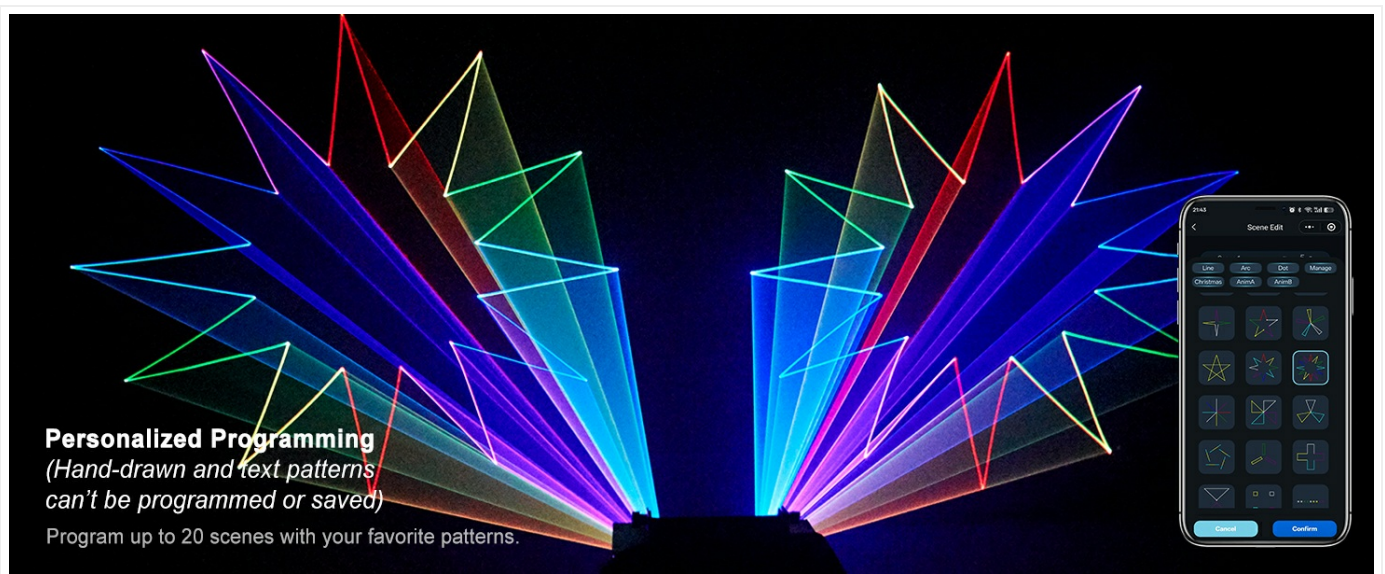


Image: A collage of six different animated laser graphics, including abstract shapes and recognizable figures like a bear and a person, demonstrating the device's animation capabilities.

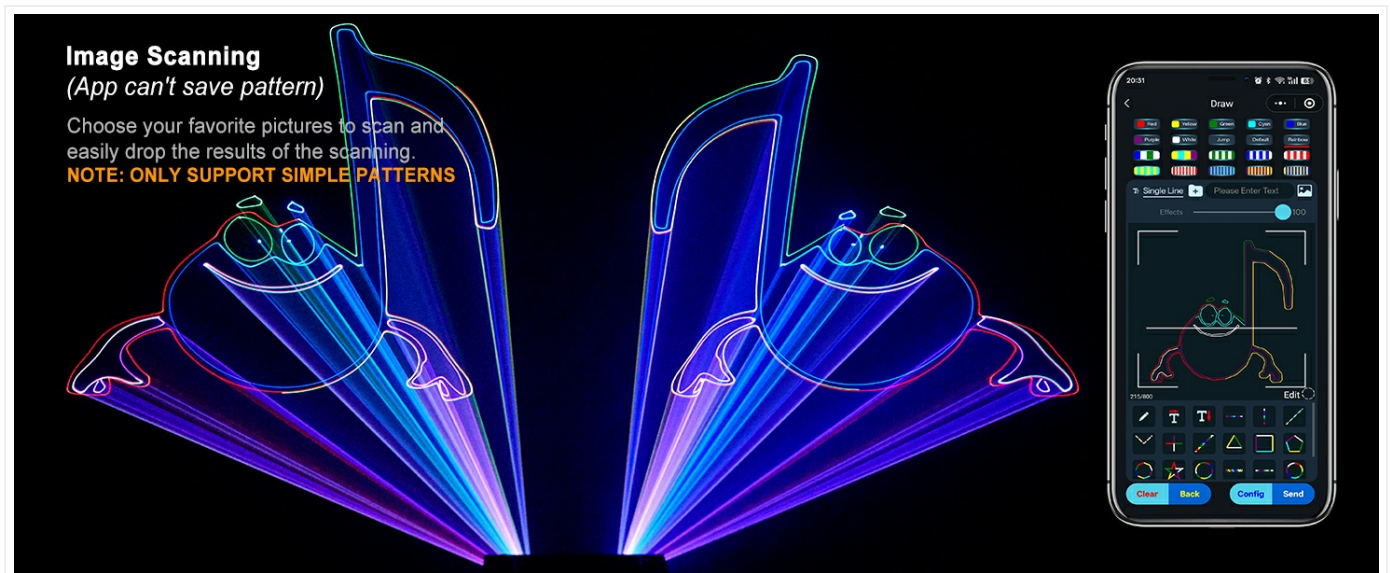


Image: A collage of six additional animated laser graphics, featuring holiday themes like Santa Claus and Christmas trees, as well as other abstract and geometric designs.

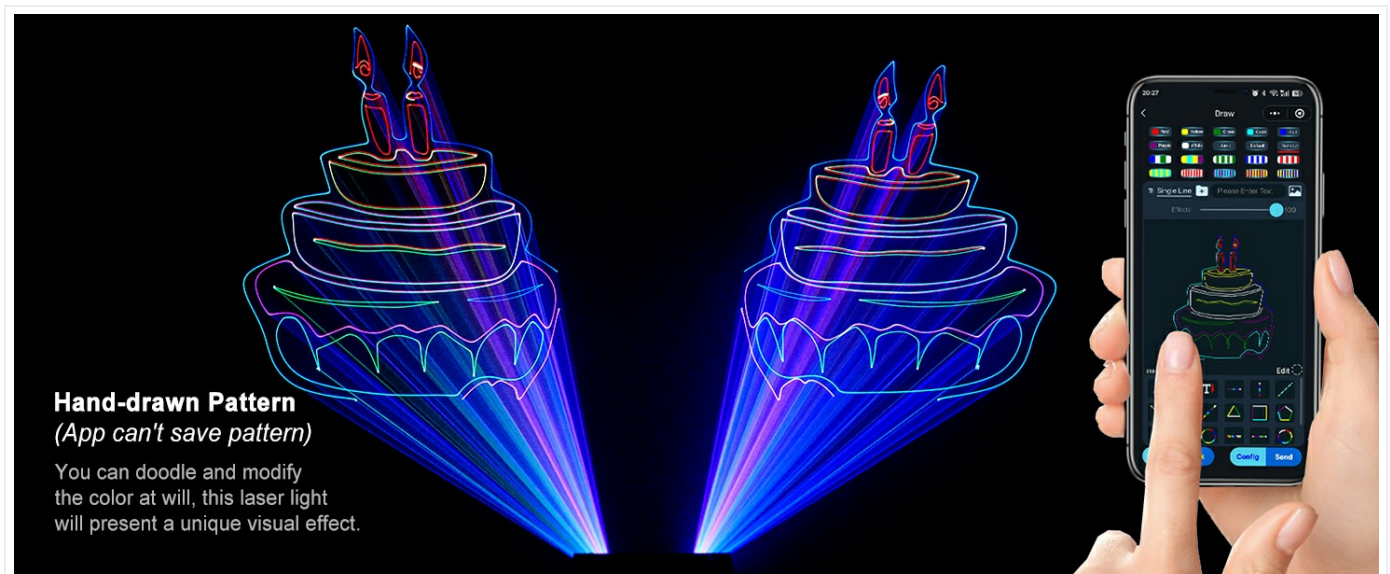


Image: A collage of six diverse animated laser graphics, showcasing a range of complex patterns and dynamic visual effects.

MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. For optical components, use a lens cleaning solution and a microfiber cloth. Do not use abrasive cleaners.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Smoke Machine Usage:** As noted in the features, using a smoke machine significantly enhances the visual effects of the laser beams. Without smoke, you will primarily see patterns and animated graphics rather than dynamic beams.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on	No power, faulty power adapter, or unit issue.	Check power connection. Ensure outlet is functional. Try a different power adapter if available.
Remote control not working	Battery depleted or incorrectly inserted, remote not aimed at sensor.	Replace CR5 battery. Ensure correct polarity. Aim remote directly at the unit's IR sensor.
No laser output or dim output	Laser aperture blocked, dirty lens, or unit malfunction.	Ensure nothing is obstructing the laser output. Clean the lens carefully. If problem persists, contact support.
App cannot connect to device	Bluetooth not enabled, device too far, or app issue.	Ensure Bluetooth is enabled on your mobile device. Move closer to the laser light. Restart the app and the laser light.
Effects are not visible or dynamic	Lack of smoke/fog in the environment.	Introduce a fog or smoke machine to the environment for enhanced beam visibility.

SPECIFICATIONS

Attribute	Detail
Brand	Gruolin
Model Number	GL-L04
Color	Upgraded App & Remote Version
Material	Aluminum
Light Source Type	Light Emitting Diode
Power Source	Corded Electric
Product Dimensions	9.92"L x 6.7"W x 4.73"H (25cm x 16.1cm x 8.3cm)
Item Weight	4.09 pounds
Batteries Required	No (for main unit)
Batteries Included	Yes (1 CR5 for remote)
Country of Origin	China

3D Animation Full Color Laser Light



APP



Remote



Sound



DMX512



Master-slave



Auto

Image: A visual representation of the laser light unit with its dimensions (25cm/9.8in length, 16.1cm/6.4in width, 8.3cm/3.3in height) and icons indicating its control methods: APP, Remote, Sound, DMX512, Master-slave, and Auto.

WARRANTY & SUPPORT

For warranty information or 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.

