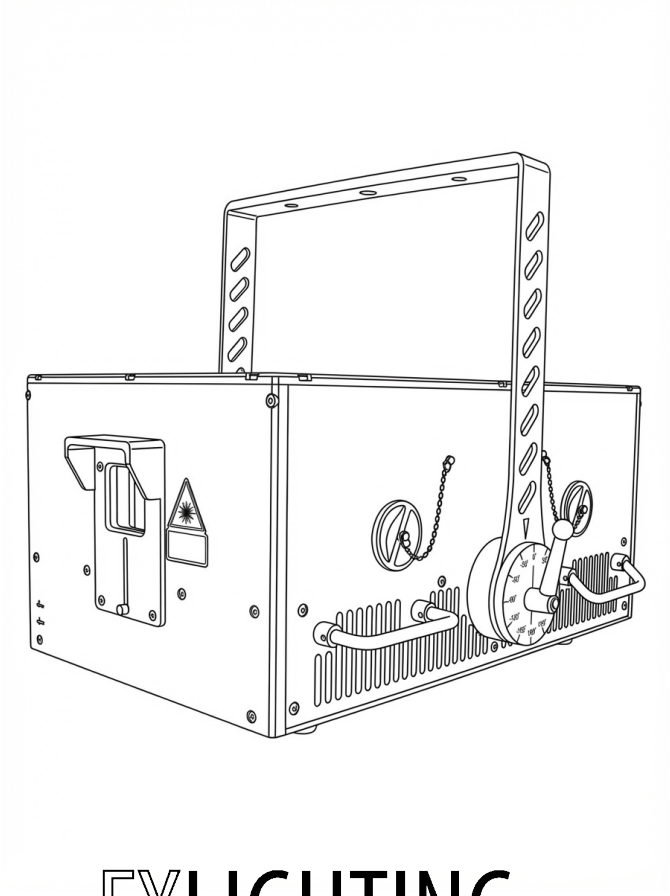
LS-Rainbow 60w IP65

Professional Outdoor Stage Lighting



FXLIGHTING

FX-LIGHTING.COM

User Manual

Please read carefully before use

Professional Outdoor Stage Lighting

Getting Started

Thanks for choosing our product, please read and follow the user manual carefully and keep this manual in a safe place for future use.

1. Security warning

1、When the product is outputting a single laser beam, there must be no flammable substances within 10 meters.

2、Prohibited to expose the laser light to human skin or eyes, as it poses a risk of damaging human health.

3、Do not point your camera too close to the laser aperture, as it may burn out the camera!

4、The product is only intended for installation, operation and maintenance by qualified personnel.

5、Before installation, ensure that the voltage and frequency of power supply match the power requirement of the product.

6、It is essential that each product is correctly earthed and that electrical installation conforms to all relevant standards.

7、Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

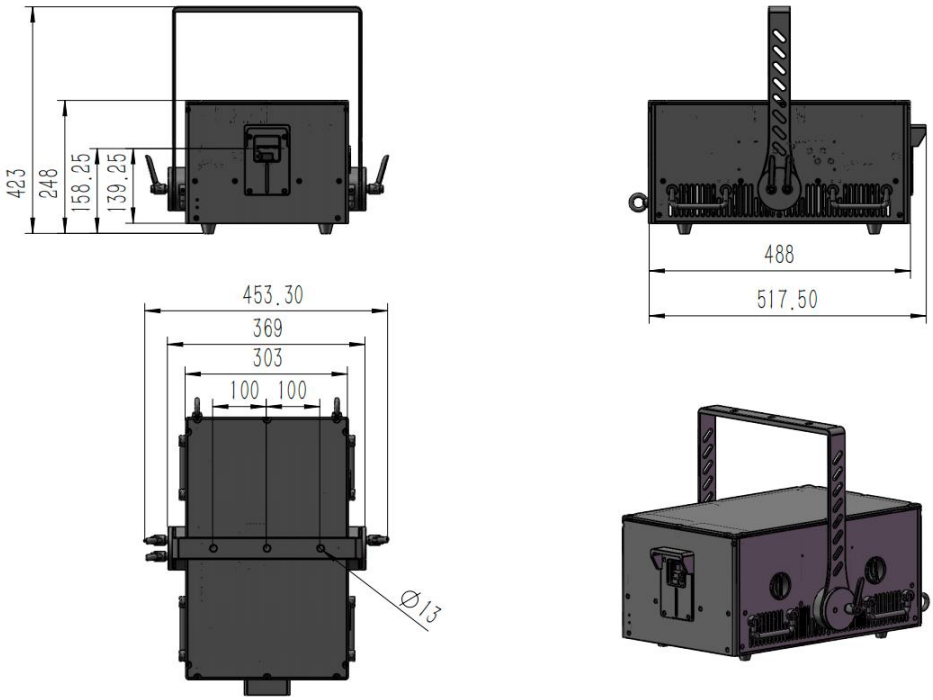
8、Do not attempt to dismantle and/or modify the product inner structure. Otherwise 2 years of warranty will get invalid.

9、There is no user serviceable parts inside the product, do not open the housing and never operate the product with the cover removed.

2. Specification

Product Name	60W Waterproof RGB Pro laser	**Item No.**	LS-RAINBOW-RGB60
Power	60W-RGB	**Diode Brand**	Nichia (import from Japan)
Light Source	（R）: 22W/638nm;（G）: 21W/525nm;（B）: 22W/455nm;		
Input Voltage	110/240V ； 50/60HZ	**Power Cons.**	1000W
Power Supply	Mean Well brand	**DMX Channel**	16CH
Scanning Angle	Max 46°	**Scanner**	25Kpps
Laser Show	Text/graphic/animation/beam /LOGO/ customization	**Special Design**	Unique double-layer structure, with the optical path layer completely sealed
Heat Dissipation	High-speed air cooling (with built-in cooling fan system)	**IP Grade**	IP65
Working Temperature	-40°C ~ +45°C	**Light Source Lifetime**	Over 20000 hours
Net Weight	33.7KG	**Product Size**	51.7*45.3*24.8cm
Gross Weight	57KG（with flight case）	**Packing Size**	68.5*53.5*49cm（with flight case）
Self Protection	When the laser beam is focused to the minimum point for a long time, it automatically light off.		
Analog Modulation	100k Analog. The power of the red, green and blue can be adjusted from 0 to 100. Adjust the power according to the show to optimize the alignment effect		
Control Mode	ILDA mode: international standard 25 pins (with inbuilt FB4 or external FB4, use it when controlled by computer software) DMX mode： XLR DMX512 (use it when controlled by console. If the laser has inbuilt FB4, a DMX sub-board must be installed) Auto mode: voice control/auto-run/master-slave mode (use it with no controller. Voice control cannot be used if the laser has inbuilt FB4)		
Packing	To prevent damage during transportation, professional flight case (shock-absorbing EPE foam + silent wheels) have been adopted for safety protection!		

3. Product size



4. Main function

Auto mode: from the LCD display ILDA Lock option, click ON/OFF to start the Auto mode.

ILDA mode: When you use software to control the laser, connect the ILDA cable to the computer.

ILDA to RJ45: from the “ILDA Lock” option, select “on” mode, connect the signal cable.

DMX mode: connect the DMX cable to the lighting console, then ready to operate.

5. Safety Instructions

For safety reasons, please strictly follow the instructions below:

- No Modifications: Do not disassemble or modify this device under any circumstances.
- Contaminant Protection: Prevent flammable liquids, water, or metal objects from entering the device housing.

Avoid operating the device in the following environments:

- Areas with excessively high relative humidity or moisture.
- Environments prone to severe vibrations, shocks, or physical impacts.

Important Notices:

- Troubleshooting: If you experience serious operational issues, stop using the device immediately and contact your authorized dealer or the manufacturer for an inspection.
- No User-Serviceable Parts: Do not attempt to open the machine; there are no user-serviceable parts inside the housing.
- Qualified Personnel: All technical inspections and maintenance must be performed by qualified professionals.

6.Warranty Terms

We provide a two-year free warranty and lifetime maintenance service for all products sold.Within two years from the date of purchase, any damage caused by product quality defects will be repaired free of charge.After the two-year warranty period, we will continue to provide maintenance and parts replacement services, for which a reasonable cost of materials and labor will be charged.

All software included with the products is entitled to free upgrades and ongoing functional enhancements to ensure optimal performance.We provide comprehensive technical support and cooperation for all products, including a 24-hour technical service hotline.

Exclusions (Non-Warranty Items)

The following damages or failures caused by factors beyond our company's control are **not covered** under the free warranty:

1. **Improper installation.**
2. **Voltage mismatch** or power supply issues.

3. **Improper operation** resulting from failure to follow the user manual.
4. **Unauthorized repairs** or modifications performed by third parties.
5. **Lack of necessary maintenance** on the equipment.
6. Failure to provide the **stipulated operating environment**.
7. Product damage caused during **secondary transportation** by the user.
8. System failures caused by **third-party software or viruses**.
9. **Force Majeure**, including natural disasters (lightning strikes, earthquakes, tsunamis, floods, etc.) and other accidents.
10. Failure to ensure the product power supply is **effectively grounded**.

Legal Notice:

The above warranty terms carry equal legal effect for every user. Depending on changes in national or regional laws, other specific rights may apply to certain customers.

Maintenance Records

Service Date	Fault Description & Action Taken	Collection Date	Customer Signature
