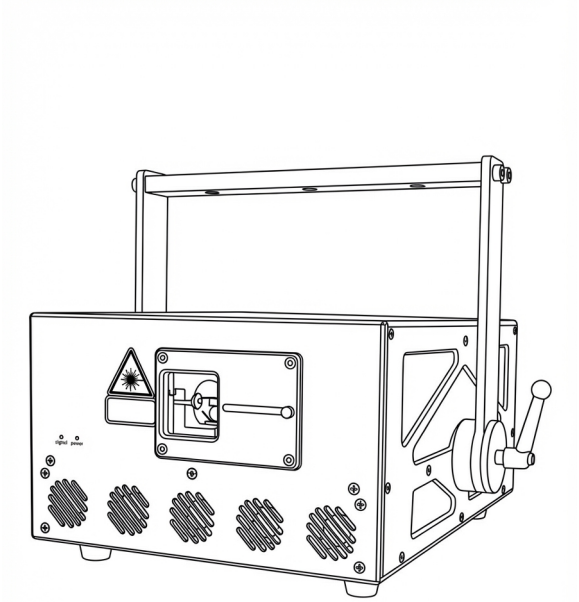
LS-Rainbow 12w

Professional Indoor Stage Lighting



FXLIGHTING

FX-LIGHTING.COM

User Manual

Please read carefully before use

Professional Indoor 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.

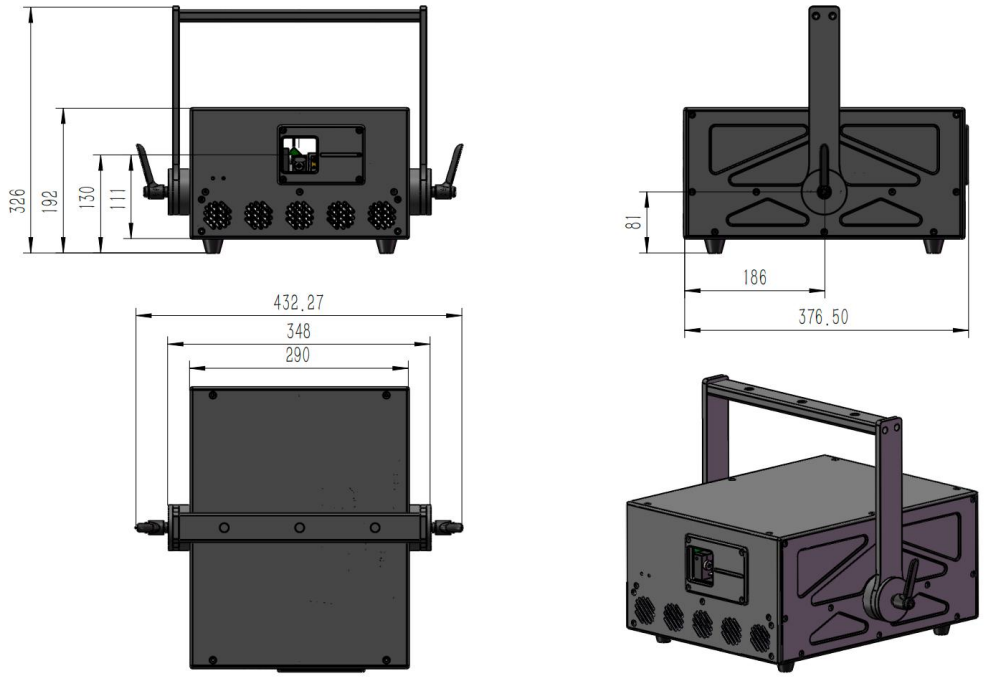
8、Do not attempt to dismantle and/or modify the product inner structure. Otherwise 2 years of warranty will get invalid.

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	15W Indoor RBG Laser	**Item No.**	LS-RAINBOW-RGB15
Power	15W-RGB	**Diode Brand**	Nichia (import from Japan)
Light Source	（R）：4W/638nm；（G）：5W/525nm；（B）：6W/455nm；		
Input Voltage	110/240V ； 50/60HZ	**Power Cons.**	350W
Power Supply	Mean Well brand	**DMX Channel**	16/26CH
Scanning Angle	Max 50°	**Scanner**	30Kpps
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**	IP45
Working Temperature	-20°C ~ +45°C	**Light Source Lifetime**	Over 20000 hours
Net Weight	16.5KG	**Product Size**	37.5*33.6*19.2cm
Packing Weight	19KG（with flight case）	**Packing Size**	48*43*30cmwith Carton)
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 follow the following instructions:

Do not disassemble or alter the unit.

Do not drop flammable liquids, water and metals into the machine.

Avoid using the unit in the following situations:

The relative humidity is too high.

oscillation or collision environment.

Note:

if you encounter serious difficulties in use, please stop immediately, and inquire agents or manufacturers for inspection.

Do not disassemble the unit, there are no internal repair parts.

Please request inspection by qualified personnel.

6. Warranty

We offer 2-year warranty and lifetime maintenance service. Within 2 years, any damage caused by the product's own quality issues can be repaired for free. 2 years later, material cost will be charged for the maintenance or replacement of parts.
The software included in the products can be upgraded and function improved for free in future.

The following product damages or other reasons not caused by our product itself are not covered by our company's free repair service:

1. Wrong installation.
2. Voltage not matched.
3. Not following the user manual and make wrong operation.
4. Any repair or modification not authorized by our company.
5. The product lacks necessary maintenance.
6. The required working environment was not provided.
7. Product damage caused by the user's secondary transportation
8. System failures caused by viruses or other software which is not offered by our company's etc..
9. Force majeure factors such as natural disasters (lightning strikes, earthquakes, tsunamis, floods, etc.) and unexpected situations
10. The power supply for the product must be effectively grounded.