DREAMLIGHT

DREAM LIGHT Workshop

User Manual

DREAM 300ZL FSL

Guangzhou dream lighting equipmentCo.,Ltd.
Add.No.21,Ruixiang Road, Xinhua Industrial Zone,
Huadu District, Guangzhou
Tel.020 8161 2345 Fax. 020 3686 6631
www.dlw-lighting.com

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Technical Parameters

Model and Name
Model:DREAM 300ZL FSL

voltage: AC100～240V/50～60Hz
Power: 400W
Light source: 350 W COB
Beam angle: 10°-50°

Effect
Focusing: electric
Strobe: 0-30 HZ
Dimming: linear

Control
Protocol: knob, DMX, RDM
Compound mode: sensor positioning
Channel: 2CH
Display: 1.8" TFT LCD display with 5 touch buttons

Physical Characteristics
Housing material: new flame-retardant, compression-resistant and wear-resistant composite material
Protection level: IP20.
Cooling: condensate copper tube + temperature-controlled silent fan
Operating temperature: -20°C - 40°C
Maximum surface temperature: 55 °C
Spotlight dimensions: 550 x 295 x 240 mm
Packaging dimensions: 580 X 315 X 325 mm
Spotlight weight: 7.95 kg (excluding light blocking vane)
9.2 kg (including light blocking vane)

Preface

This Manual contains important information about the installation and use of the product.Please strictly follow these related instructions during installation and use.Before turning on the product or performing repairs, etc., make sure that the power is off.
1. Please read the entire contents of this Manual carefully.(Please keep this Manual with the spotlight for future reference).
2. In order to ensure the correct and safe installation, use and maintenance of this product, you must understand and follow the instructions in this Manual.
3. The manufacturer will not undertake any responsibility for the damage to the spotlight, property loss or personal harm caused by the failure to install, use and maintain this product in accordance with this Manual.
Note: The data contained in this Manual may be changed in the future with any further notice.

Safety Warning

Warning: When using the spotlight, please keep away from fire and water sources, and avoid splashing the fire or water source into the body.

Accessories Attached

(Accessories)
1. User Manual (1 pcs)

Unpacking Instructions

After unpacking, check if all the items in the package are complete. Secondly, please check if the entire spotlight is damaged. If it is damaged, keep the original spotlight and return it to the factory.

Product Description

This product is a non-domestic product and is for professional use only. Without wearing protective glasses, please do not look directly at the light source of this lamp to avoid damaging human eyes. Please read the safety precautions in this section carefully before installing, using, operating, and maintaining this product.

Statement

When this product is shipped from the factory, its performance is intact and its package is complete. All users shall strictly observe the warnings and operating instructions stated below. Any damage caused by misuse is out of our warranty, and any failure or problem caused by negligence by the user is out of our warranty as well.
The Manual is subject to change without further notice.

Precautions for the Product

1. In order to ensure the safety of the product, do not place the product in a humid or leaky place, and do not use it in an environment with temperature above 40 °C or below -20 °C.
2. Do not put this product in a place where it is easy to be loosened or vibrated.
3. The spotlight contains professional components such as microcomputer circuit board, high-voltage power supply, etc. For your safety and product life, non-professionals must not disassemble the spotlight and related accessories without authorization.
4. When using the spotlight, please make sure that the power supply voltage does not exceed 100 V-240 V. If the voltage is too high, it will shorten the life of the lamp beads. If the voltage is too low, it will affect the light color of the bulb.

Installation of Spotlight

1. The spotlight can be placed horizontally, mounted laterally and upside-down.Pay attention to the installation method when the spotlight is mounted laterally and upside-down.
2. Before positioning the spotlight, ensure the stability of the installation site. When install the spotlight upside-down, ensure that the spotlight does not fall on the support frame to ensure safety and prevent the spotlight from falling and sliding.
3. When the spotlight is installed and debugged, pedestrians are not allowed to pass under it. Regularly check whether the hook screws are loose.
Warning: We will not bear any responsibility for all the consequences caused by the falling of the spotlight due to the unstable installation of the hung spotlight.
4. During the installation and positioning of the spotlight, please do not install the spotlight directly on the surface of combustible materials; the spotlight must be installed away from flammable, combustible and explosive materials, and the minimum distance between two spotlights shall be no less than 1.2 m, and the distance from the target object shall not be less than 3 m.
5. Be sure to install the spotlight in a well-ventilated place, and keep the ventilation holes unobstructed to avoid overheating when the spotlight is running.
6. Be sure to install the spotlight in a dry place, avoid installing it in a place with flammable liquid, water or strong corrosion, and avoid fire caused by short circuit of the circuit board components due to excessive humidity in the environment and corrosion of electronic components inside the spotlight.
7. The product must be provided with ground wire connection. Please ground the conductor to prevent electric shock.
8. Make sure that the power supply system is in line with the electrical specifications of the product during installation. At the same time, make sure it is equipped with overload and fault leakage protection, over-current protection, etc.
9. Do not use the power cord with damaged insulation. Do not connect the power cord to other wires.
10. The same series of products can be installed and used in series. The products of different series cannot be used in series. The number of the spotlights of the same series connected in series shall not be more than 8.

Product Use

1. The installation and operation of the spotlight must be performed by professionals. It is strictly forbidden to operate related equipment by non-professionals or untrained personnel.
2. Before running the spotlight, make sure that the power voltage of the power supply system matches the power voltage required by the equipment.
3. Please carefully check the power cord for damage before turning on the spotlight, and replace it immediately if damaged.
4. Before the spotlight is turned on, check whether the wiring is proper and avoid the power cord from being tangled with other wires. Do not touch the wires when the spotlight is running to avoid electric shock.

Manual Mode

Option	Description	
Dimming	0-255	0-255 Press the "OK" key to enter the editing state.Press the "Up" and "Down" keys to change the value.It is the same as the two channels of the DMX console. You cannot receive DMX512 signals when entering here.
Motor	0-255	

Channel Mode

Channel	Control function	Value	Description
1	Dimming	0-255	Overall dimming of all light beads, 0-255 dark to bright
2	Motor	0-255	Motor stroke adjustment

Language Switching

Option	Description
English/Chinese	Press the "OK" key twice to switch between Chinese and English.

Screen Rotation

Option	Description
Rotation by 180°	Press the "OK" key twice to rotate the screen by 180°

System Information

Option	Description
Software Version (Ver)	Show the currently used software version
Current use time	Show the information of the total use time
Total use time	Show the information of the current use time
Current temperature (℃)	Display the detected current temperature

Advanced

Option	Description	
Motor reset calibration		Motor reset calibration value adjustment
Reset to default		The functions under the interface of "Restore Settings" are factory settings; Press the "OK" key to see the confirmation dialog box, press the "OK" key again to restore the default settings, press the "Cancel" key to exit from the dialog box.

5. Before operating the spotlight, please check whether all the housings (covers) are installed and whether the screws are tight. It is forbidden to use the spotlight with housings (covers) uninstalled.
6. When the spotlight is turned on, do not place flammable articles next to it to avoid fire.
7. In the process of using the product, you cannot move it at will; within the travel range of the product, ensure that it has enough space to prevent the product from colliding with other objects during operation.
8. The surface temperature can reach 65℃ when the spotlight is running. Do not touch it with bare hand to avoid burns.
9. When the spotlight fails, please cut off the power first, do not check it with power on.In particular, you must disconnect the power supply before replacing fuses or lamp beads.
10. A small amount of smoke or odor may appear during the first operation of a new spotlight, and will disappear after 15 minutes.This is a normal condition.
11. The spotlight will be very hot when it is running. Do not touch the bulb with bare hand.Please replace the lamp beads when they are damaged, deformed by heat or exceed the service life.
12. It is recommended that the continuous working time of the spotlight should not exceed 10 hours, and the interval between continuous startups of the spotlight shall not be less than 10 minutes.
13. When the spotlight has a problem or fault, please stop using it immediately.Without authorization, do not open the spotlight housing and repair it by operating a machine.Operation by non-professional personnel will cause secondary damage to the equipment or deepen functional malfunction.If a repair is required, contact the nearest authorized service center.If you need to return the spotlight to the factory for repair, please use the original packaging material for the spotlight to be returned to the factory for after-sales service.
14. If the spotlight is idle for a long time, please cut off the power supply and clean it properly.

Check and Maintenance

1. The following items must be checked when maintaining the spotlight:

- Be sure to securely tighten all the screws used to install the spotlight, and inspect and replace the corroded screws.
- Make sure that the body, lens, and mounting bracket (including ceiling and hanger) of the spotlight are not deformed.
- Check if there is any wear on the rotating head of the spotlight, keep the spotlight rotating in balance.
- Check whether the power cord is damaged or the insulation layer is worn.
- Further maintenance must be performed by relevant professionals.Further resolve any safety problem with the spotlight.



Warning: Before the maintenance and cleaning of the spotlight, be sure to cut off the power supply.

2. Be sure to perform preliminary maintenance on the product every month and check whether the screws and circuit board terminals of the external and internal parts of the spotlight are locked and tightened.If the terminals on the circuit board are yellow or corroded, please replace them in time.
3. Be sure to perform maintenance inspection on the spotlight every one month to ensure that each cooling fan runs normally, and that no dust or debris blocks the fan's heat dissipation port of the spotlight and thus affects the heat dissipation of the spotlight.
4. Be sure to clean the optical lens of the spotlight once every month to ensure the effective output of light effect.(PS: Please use soft linen and special glass cleaner for cleaning. It is strictly forbidden to use cleaners with corrosive ingredients, such as thinner or alcohol).

5. Be sure to conduct a detailed electrical inspection of the spotlight by an approved electrical engineer every three months to ensure that the circuit contact of each part is good and avoid overheating caused by poor circuit contact and unnecessary accidents.

PS: The damage caused by ignoring the specific instructions in this Manual is not covered by the warranty, and the dealer or the manufacturer will not undertake any liability for any defect or problem arising therefrom.

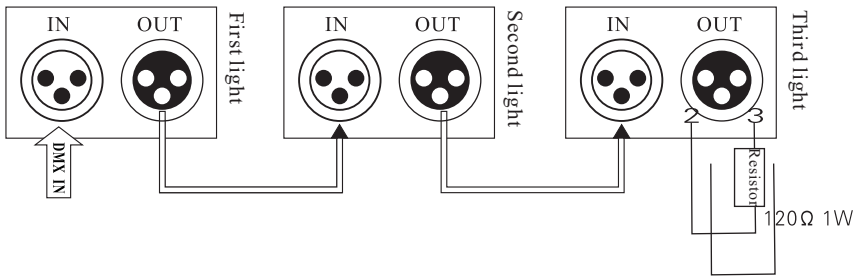
Common Troubleshooting

1. After the lamp is reset normally, it does not accept the control by the console.
1) Possible cause: The signal cable is faulty or the parameter settings of the spotlight are abnormal. The troubleshooting is as follows: check the starting address code and check the connection of the DMX signal cable (whether the signal cable is intact and the Cannon connector is loose); if the DMX indicator light is on, but there is no response to the channel control, check whether the address code is set correctly; if the DMX signal is intermittent, check whether the connection between the Cannon connector and the signal cable is good.
2) Add a signal amplifier, and add a 120Ω terminating resistor to the Cannon connector of the last spotlight.
3) Replace the console and have a test.

2. The spotlight cannot be started.
1) Probable cause: Poor contact of the power cord. The troubleshooting is as follows: check whether the fuse on the power input socket is blown, and replace the fuse if necessary;
2) In the case of long-distance transportation, the spotlight has poor wire touch due to vibration. Check whether the power at the input terminal is normal.
3) Check whether the switching power supply has voltage output.

Connection of Spotlight

There are self-contained power supply and signal connection cables between spotlights. This product can accept the digital control signal in DMX5 12 format. Connect the control signal to the "DMX In" end of the spotlight, and then connect it from the cable marked with "DMX OUT" to the "DMX In" end of the next moving light. For the connection of the signals of the spotlight, it is recommended to use the DMX signal terminal to avoid the digital control signal being damaged by electric noise. Connect a 120Ω 1W resistor between Pin 2 and Pin 3 of the XLR plug and connect it to the DMX OUT line connector of the last spotlight.As shown in the figure:



Menu Structure

Main menu	Level-2 menu	Function and Description
Settings	Mode of operation	Basic function setup
	DMX address	
	Channel Mode	
	Screen saver	
	No DMX signal	
	Over-temperature protection	
Manual		Manually controlled spotlight
System	Version	System Information
	Current use time	
	Total use time	
	Current temperature (℃)	
Advanced	Reset to default	The functions under the "Restore Settings" interface are the factory settings.
.081#		Rotating the screen
EN/CN		Switching between Chinese and English

Settings

Option	Description	
Mode of operation	DMX	Slave status: Receive DMX signal from the console or the master
DMX address	1-512	Press the "OK" key to enter the editing state.Press the "Up" and "Down" keys to change the address code.Press the "OK" key again to save the address code.
Channel Mode	2CH	Channel mode; see (Channel Form) for channels.
No DMX signal	Keep	Continue to run as before
	Clear	Stop running
Screen saver	Black screen	Turn off the backlight after idle for 30 seconds
	DMX address	Display DMX address after idle for 30 seconds, in default
	Off	Backligt on forever
Over-temperature protection	095	When the temperature exceeds the set temperature, the power of the lamp beads will slowly drop to a half power state. When the temperature is lower than the set temperature, the power of the lamp beads will slowly return to the normal state.