



DREAMLIGHT



DREAM LIGHT Workshop

User Manual

DLW L300C4 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

Guangzhou dream lighting equipmentCo.,Ltd.

Technical Parameters

Electrical parameter

Input voltage: AC100-240V 50/60Hz

Input power: 450W

Maximum input current: 4.5A

Light source parameter

Light source type: RGBW 600W LED module

LED life: 50,000 hours

Optical parameter

Beam Angle: 10°-50°

Color rendering index: Ra≥90

Adjustable color temperature: 2500-10000K

Effect configuration

Focusing: electric adjustment

Strobe: 0-30Hz

Dimming: Linear dimming

Lamp body structure

Shell material: flame retardant, pressure and wear resistant composite material

Light block leaf device: button type, no tool disassembly

Electronic control technology

Control mode: 7 channels

Control protocol: DMX, RDM

Control interface: XLR-3

Menu display: 1.8-inch TFT LCD color screen with 5 buttons

Size and weight

Product size: 528X273X228 (mm)

Package size: 580X345X325 (mm) (carton)

Net weight: 8.6Kg

Gross weight: 11.9Kg

Conditions of use

Operating temperature: -20°C~40°C

Maximum surface temperature: 55°C

Protection level: IP20

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

| Options | Instructions | |
|----------|--------------|---|
| red | 0-255 | 0-255 Press "OK" to enter editing. Press the "up""Down" key to change the value. Enter here without receiving the DMX512 signal |
| green | 0-255 | |
| blue | 0-255 | |
| white | 0-255 | |
| Strobe | 0-255 | |
| Focusing | 0-255 | |

Channel Mode

7CH

| Channel | Control function | Value | Description |
|---------|------------------|-------|---|
| 1 | Total dimmer | 0-255 | All light beads total dimming, 0-255 from dark to light |
| 2 | red | 0-255 | Red light bead adjustment |
| 3 | green | 0-255 | Green light bead adjustment |
| 4 | blue | 0-255 | Blue light bead adjustment |
| 5 | white | 0-255 | White light bead adjustment |
| 6 | Strobe | 0-4 | Strobe off |
| | | 5-255 | Stroboscopic on, slow to fast |
| 7 | Focusing | 0-255 | Focus 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 (°C) | 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. |

- 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.
- When the spotlight is turned on, do not place flammable articles next to it to avoid fire.
- 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.
- The surface temperature can reach 65°C when the spotlight is running. Do not touch it with bare hand to avoid burns.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.

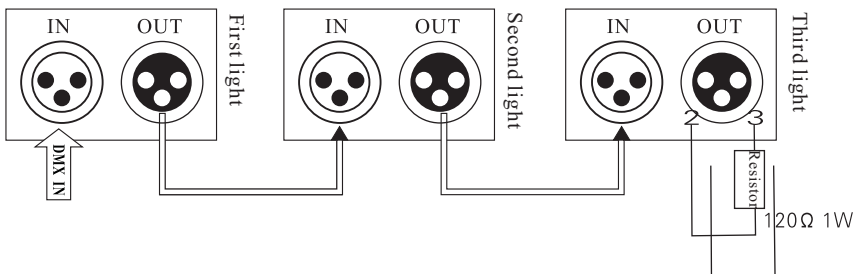
1) Probable cause: Poor contact of the power cord. The troubleshooting is as follows: check whether the fuse on the power input socket is blown, and replace the fuse if necessary;

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 (°C) | |
| 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 |