

# PLSPRO 7\*40W MINI LED MOVING HEAD RGBW-IN-1 MANUAL



Thank you for using our products. For your safe and effective use of this product, please read this manual carefully and completely before you use this product. This manual contains: the performance description of the product, how to install it safely, and important information about use. Please keep it properly for reference during use. Please strictly follow the relevant instructions during installation and use.

## Technical parameters:

Power supply: AC100V-240V frequency: 50Hz-60Hz

Total power: 250W

Fuse: 2A

Lamp source power: 250W

Color temperature: 2800-7500k with CTO function

LED: 7PCS\*40W

Channel: 16ch

Average life: 50000h

Control signal: international standard DMX512

Appearance: high temperature resistant plastic + molded alloy material

Lamp body color: Black

Protection grade: IP20

Net weight 5kg

Size: 430mm \* 310mm \* 260mm

## Function introduction:

1. International standard control signal: DMX512

2. Number of roads: 16CH

3. Number of motors: a total of 5 silent motors, (three pm focusing motors and two XY motors)

4. LCD 650000 color touch TFT interface, easy to operate, beautiful interface, and the interface can be displayed 180 degrees reversely.

5. The x-axis rotates 540 ° horizontally and the y-axis rotates 270 ° vertically, with automatic correction and positioning (With magnetic coding )

6. The operation of X and Y axes can be adjusted, and the software has the function of correction and positioning, with high precision!

7. Dimming: 0 - 100% linear adjustment

8. Stroboscopic: stroboscopic speed (1-30 times / s), complete linear dimming and variable stroboscopic speed

9. Focusing: using optical combination, the effect is far better than the usual dyeing lamp, and can project high-definition effect

10. Overheating intelligent protection

11. Intelligent dimming control (prolonging the service life of light source)

### 16 channel mode:

| channel 16 | Address code |                             |
|------------|--------------|-----------------------------|
| 1          | 000-255      | X axis                      |
| 2          | 000-255      | X-axis trim                 |
| 3          | 000-255      | Y axis                      |
| 4          | 000-255      | Y-axis trim                 |
| 5          | 000-255      | XY speed                    |
| 6          | 000-255      | Total dimming               |
| 7          | 000-255      | Stroboscopic                |
| 8          | 000-255      | Red brightness adjustment   |
| 9          | 000-255      | Green brightness adjustment |
| 10         | 000-255      | Blue brightness adjustment  |
| 11         | 000-255      | White brightness adjustment |
| 12         | 000-255      | F regulation                |
| 13         | 000-255      | Mode                        |
| 14         | 000-255      | Mode speed                  |
| 15         | 000-255      | CTO Liner adjustment        |
| 16         | 000-255      | Reset                       |

### DMX512 signal connection:

The lighting fixture adopts DMX512 signal control mode. The control signals of each lamp are in parallel. When connecting multiple lamp signals, it is best to use double core shielded cable. When connecting, each lamp is connected through DMX signal Jack (XLR base) input and output on the lamp. The 3-core xlr plug terminals of the signal line connecting the lamp must correspond to each other. When connecting the lamp signal, it is recommended to use DMX signal terminator. It can be avoided that the control signal is damaged due to the electric noise. The DMX signal terminator is a 120 ohm 1W resistor connected between the 2 and 3 pins of an XLR plug and connected to the output jack of the last lamp.

### Installation instructions of lighting fixture:

The lighting fixture can be placed horizontally, hung obliquely and upside down. Pay attention to the installation method when hanging obliquely and upside down.

1. Fixed installation of lighting fixture and lanterns: before positioning the lighting fixture and lanterns, ensure the stability of the installation site. During reverse hanging installation, ensure that the lighting fixture and lanterns do not fall off the support frame, and use safety ropes to pass through the support frame and lamp handle for auxiliary hanging; To ensure safety. Prevent the lamp from falling and sliding. During the installation and commissioning of the lamp, pedestrians are not allowed to pass below. Regularly check whether the safety rope is worn and whether the hook screw is loose. If the lamp falls due to unstable hanging and installation, the manufacturer will not bear any responsibility.

## Safety tips!

To ensure your safe and correct use of lighting fixture, please read the following safety tips carefully before use to avoid unnecessary faults and injuries

1. Non professional personnel shall not disassemble lighting fixture and accessories in lighting fixture without authorization
2. AC power supply: check whether the local power supply meets the requirements of product rated voltage.
3. The lamp is designed according to the type of electric shock protection. The lamp shall be connected with the fully grounded power supply system, and the ground wire of the lamp must be connected with the ground wire of the power supply system Do not use the power cord with damaged insulation, and do not overlap the power cord with other wires
4. During the installation and positioning of lighting fixture, the minimum distance between any point on the surface of lighting fixture and any inflammable and explosive objects shall be 10m and 2.5m from the irradiated object. Please do not install lighting fixture directly on the surface of combustible materials
5. Ambient temperature of lighting fixture: (- 10 °C + 40 °C), the maximum surface temperature of lighting fixture is 80 °C. lighting fixture should be kept away from liquid substances and humid environment
6. Before using the lighting fixture, ensure that the lighting fixture are well grounded, and do not install or disassemble any parts of the lighting fixture with electricity
7. When installing lighting fixture, the fixing screws must be fastened, equipped with safety ropes, and checked regularly
8. It is recommended that the continuous working time of lighting fixture should not exceed 10 hours, and the interval between continuous starting lighting fixture should not be less than 10 minutes Otherwise, it will not be triggered normally due to the bulb overheating protection
9. In the process of use, if the lamp is abnormal, stop using the lamp in time 10. When the bulb reaches the rated service life, it shall be replaced in time, otherwise there will be a dangerous accident of bubble explosion
11. The rotating parts and pasted accessories of lighting fixture must be inspected regularly. In case of looseness and shaking, they shall be reinforced in time to prevent accidents
12. The lighting fixture are cooled by strong wind, which is easy to accumulate dust. They must be cleaned once a month, especially the heat dissipation outlet, otherwise they will be blocked by dust, resulting in poor heat dissipation and abnormal lighting fixture

## Maintenance and guarantee:

Shutdown operation: turn off the light source in advance before each shutdown Let the heat dissipation fan quickly discharge the heat generated during use in the lamp, which can prolong the service life of the accessories in the lamp, especially the lamp source! In order to ensure that the lighting fixture can operate stably, they should be kept clean. Before disassembling the lighting fixture for maintenance or starting maintenance work, it is very important to confirm whether the power supply is disconnected. It is very important to keep the lighting fixture clean and clean. Please clean them regularly to not only maintain the maximum brightness output, but also prolong the service life of the lighting fixture. It is recommended to use high-quality glass cleaning agent and clean soft cloth for cleaning, Use a vacuum cleaner to clean the interior of the lamp at least once every six months

## after-sale service

be careful! When the lighting fixture leave the factory, they are subject to strict quality inspection, and the packaging is intact. Please operate according to the operation manual

Machine failure caused by human factors is not covered by warranty

1. The company provides technical consultation for customers all its life

If the product breaks down and needs to be repaired, please show the product warranty card and fill in the relevant

contents truthfully At the same time, we also hope that customers can feed back the problems of the products to us in time, so that we can improve the products at the first time.

2. In addition to lighting fixture, the following accessories can be selected:

Accessories: 1 power line, 1 signal line, 1 manual

#### Options

Light source (according to customer requirements)

Select by customer (safety cable)

#### Menu description

##### System settings

1. The DMX address 001 is modified by pressing the Enter key. Press the up and down keys to select the DMX address, then confirm and return to exit..
2. When the encoder is off, confirm the modification through the confirmation key, then select off / on up and down, confirm again, and return to exit
3. X reverse closing, confirm the modification with the confirmation key, then select close / open up and down, confirm again, and return to exit.
4. Y reverse closing, confirm the modification with the confirmation key, then select close / open up and down, confirm again, and return to exit.

##### Operation mode

Operation mode DMX confirms the modification with the confirmation key, selects the operation mode with the up and down keys, reconfirms and returns to exit.

Channel selection 16CH

##### Explicit boundary setting

Language selection Chinese Confirm the modification with the confirmation key, select the language with the up and down keys, confirm again, and return to exit

Inverted setting off Confirm the modification with the confirmation key, select open with the up and down keys, confirm again, and return to exit.

##### Factory settings (password 138)

Calibration 128:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

X calibration 128:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

Y calibration 128:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

Focusing 220:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

Red 220:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

Blue 220:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit

White 220:Confirm the modification through the confirmation key, select the appropriate channel value up and down, confirm again, and return to exit