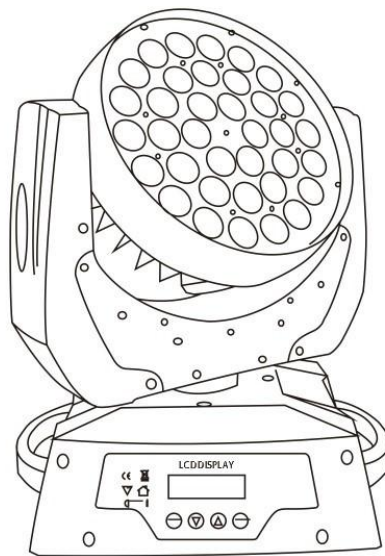


# USER MANUAL

## 36x18W RGBWAUV 6in1 LED MOVING HEAD Zoom



**Please read over this manual before operating the light****CONTENTS**

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## **Important notice:**

- This user manual contains the important information for installation and operation of the LED moving head. When installing and operating, you need to read over this manual strictly.
- Before open the LED moving head and if you want to do the repair work, please make sure the power supply is at the separation condition.

## **Attention:**

Unceasingly carries on the product improvement about our company policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains the authority when the product improvement changes the related specification. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

## **I. Product Illustration**

Our product adopt semiconductor to produce radiation, LED as light origin. With advantage of operation quietly, less power waste, high brightness, gaily-colored, astigmatic, high longevity (60-100 thousands hours), non-calorific etc. Our product apply to use 4 kinds light as red, green, blue, amber LED, synthesize turn colors under election, can create effect of auto gradual change/skip change color, frequent blinking. Can accept control by DMX512, real save power, no pollution green lighting tool.

## **II .The installment of led moving head**

Use the simplified installation clamp with omega, no need screws and it is very easy and convenient to install. Should guarantee the reliability of the install, this way is to prevent the LED moving head occur swings and skids when it's working. The weight is about 10Kg of each LED moving head, before install, you should confirm the structure whether can support this weight of the

LED moving head light. In order to guarantee the security, you also need to install a safety chain in the lamp body side handle.

**Warning: Do not use the hand of the LED moving head to up and down or fix.**

### **III. The connection of control correspond wire**

The connection of controller between the led moving head light and respectively led moving head lamp should use the twin core shielded cable, and the diameter of each core at least be 0.3mm. After receives the DMX512 signal, the lamp of nearby the address switch condition will glisten. When it's do not receive the DMX signal, the lamp will in extinguish condition, but if the signal lamp glisten continuously, the mean is the DMX signal is not be correct.

When installing, uses the DMX signal terminal is much better. It can avoid the digital control signal breached by the electrical noise. Generally speaking, the DMX terminal is Cannon plug coupling, it has a 120 ohm resistances between the 2 feet and 3 feet, it will connected on the last led moving head lamp's digital plug of the led moving head lamp chain.

### **IV. Clean maintenance**

In order to guarantee the LED moving head lamp can work better, you should keep the lamp in clean state. Suggests clean the lamp body and fan in each 15 days. For the PVS board, you need clean it on time. When you cleaning the PVC piece, please do not use any soluble cleanser.

### **V. Warning**

- Don't disassemble and assemble the LED moving head.
- Please do not put the led moving head lamp in water or other any type's liquids and the metal (IP20).
- Do not install the led moving head lamp in the humidity environment.
- Should maintain the minimum 0.5 meter distance between the led moving head lamp and other neighboring object surface.

## VI. Difficult processing

Question	Answer
The LED moving head lamp can not start.	Inspects the fuse on the rear panel.
Although shines, but the LED moving head lamp can not accept the instruction of the controller.	Check the digital start address (sees 09th) and also check the connection situation of the communication control line the (to see 03rd).
LED moving head lamp only can work intermittently.	Inspect the power supply and voltage is whether normal.
Do not receive the DMX512 signal	Whether the signal lines do contact good or broken
The light beam appears gloomily.	Inspect the optics part is whether clean.

**Other maintains work should by the specialist which has the experience to carry on.**

## VII. Equipment and appendix

1. LED Moving Head Light	1PCS
2. User Manual	1PCS
3. Power Supply Cable with powercon connetors	1PCS
4. Omega Lock	1PCS
5. DMX Signal Cable	1PCS

## VIII. Technical parameters

Voltage / frequency: 180V-240V/50-60Hz

Bulbs: 36\*18W 6IN1 RGBWA+UV LEDs

Power Consumption: 650W

Lens Angle: 45°

Control Mode: DMX 512, Stand-alone, Sound Activate, Master/Slave

Channel: 13/18 CH DMX512 channel

Motion: level 450°, vertical 270°, horizontal and vertical uses the electronic

replacement function

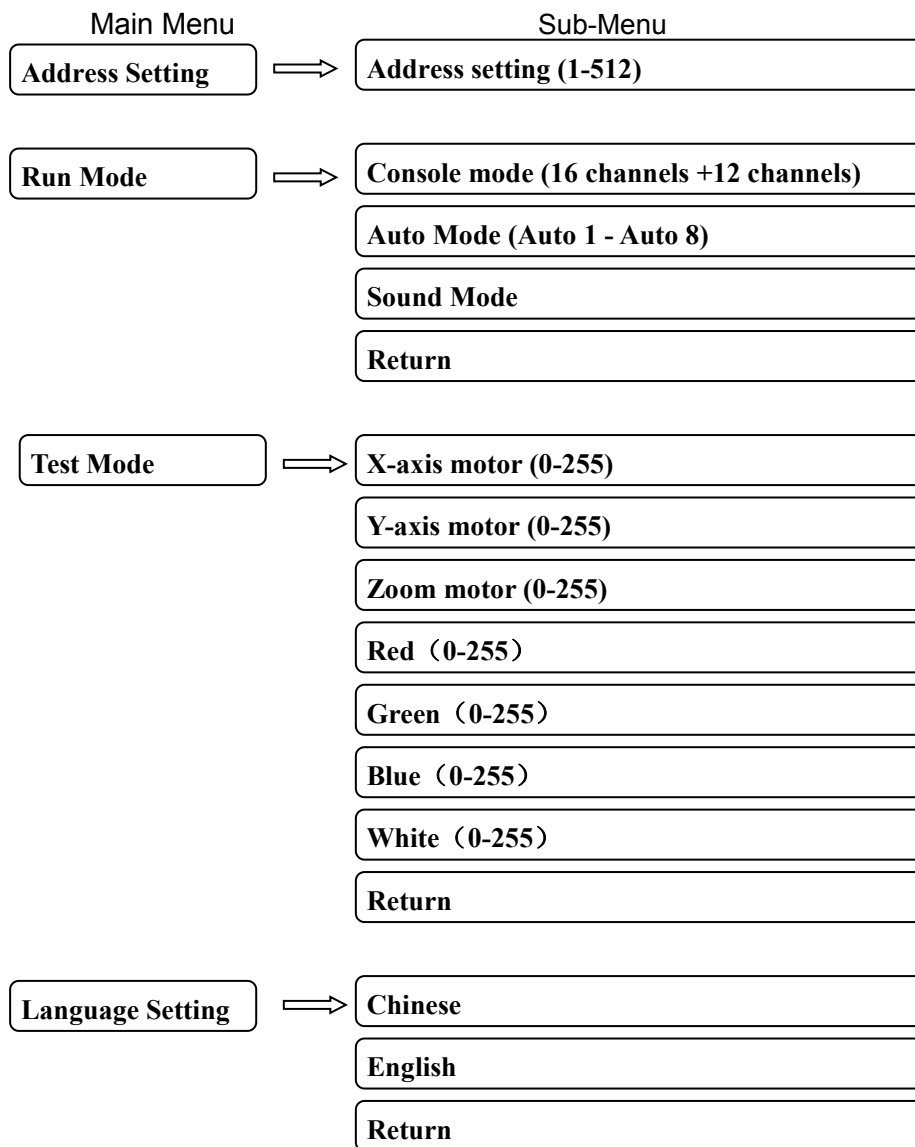
Color: 16.7 million kinds of colors changes

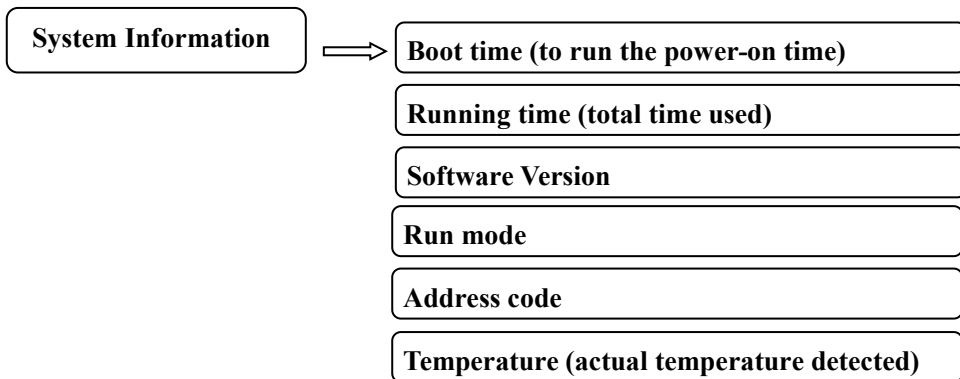
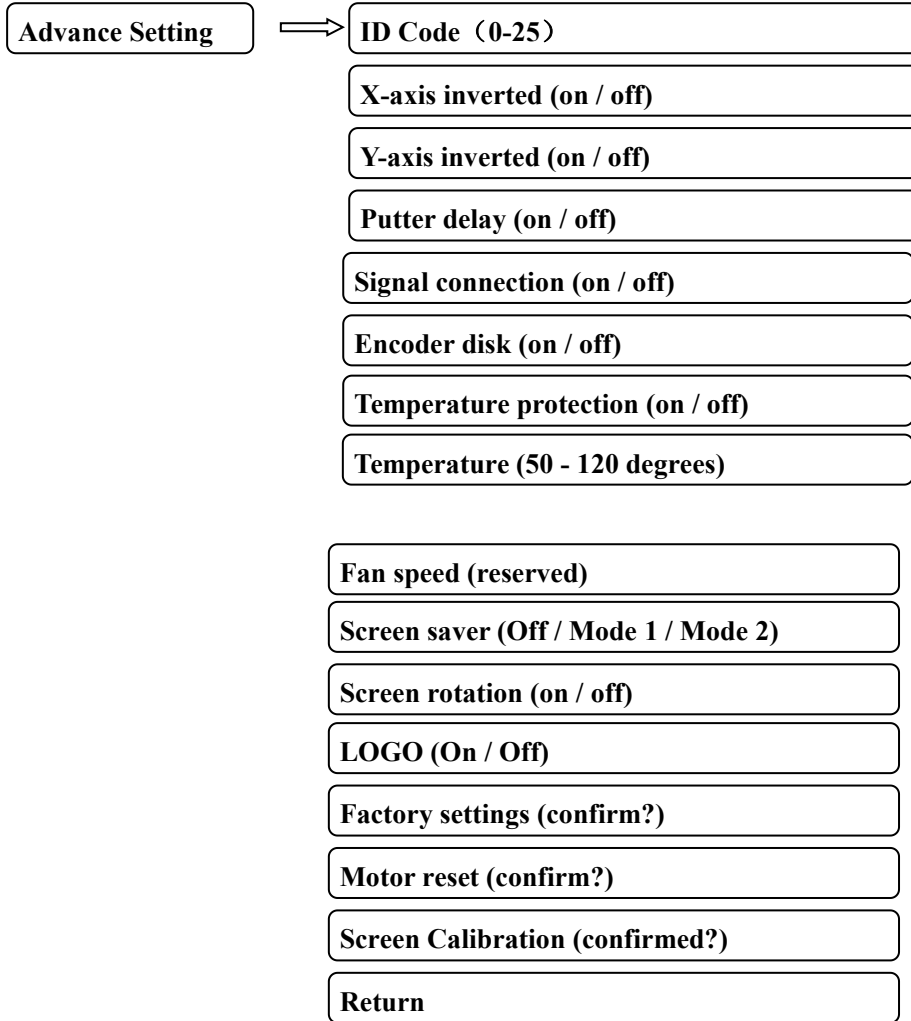
Strobe: 1-25/second high speed strobe, but single color mixes the color strobe

## IX. LCD Display Operation

This control panel is especially for many kinds of models computer lamp design, provided the many kinds of functions control mode, the control has been simple. Act regarding certain model computer lamps, the corresponding menu option hypothesis is invalid.

### ↳ Menu Description Menu Structure





↶ **Main Menue**

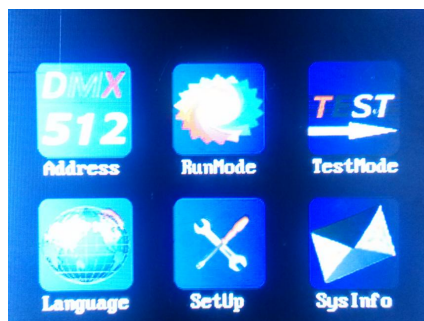


Figure 3

Interface main menu when the icon on the screen to enter the various sub-menu settings, shown in Figure 2.

↳ **Sub-menu**

Sub-menu include address settings, run mode, test mode, language settings, advanced settings, system information module, set accordingly to the interface with soft buttons.

- 1) Address settings: after set up, need to press "OK" to save the address code, and return to the main menu. As shown in Figure 3.



Figure 4

- 2) Run mode setting: the operation mode interface shown in Figure 4, "√" indicates the operating mode being used, at the same time can only run one mode, console mode and automatic mode selected time, press the "Enter" key can choose a different console mode and automatic mode.

- When in console mode, it can be slave mode at the same time, if the console is connected to the signal, compared to console mode, if the host signal is received, it can be run as a slave mode.
- Auto mode, auto mode while host mode
- Sound mode when not host

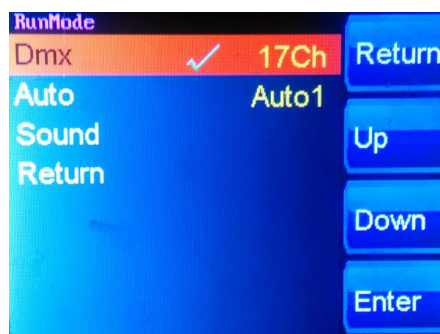


Figure 5

- 3) Test mode: the test mode is a special mode, only after entering the test mode interface can be invoked, and restore the previous operating mode after exiting interface mode. Test mode which can adjust the X-axis motor, Y-axis motor and zoom motor location, as well as four color RGBW brightness, RGBW color test patterns



which can be invoked in the fifth channel of the 16-channel console mode.

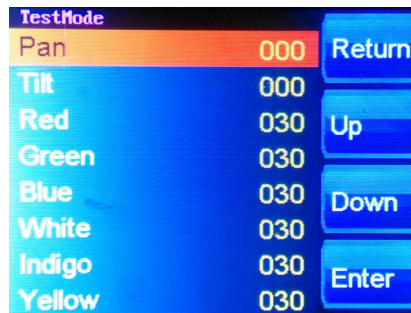


Figure 6

a) Language setting, menu language can be set to Chinese and English.

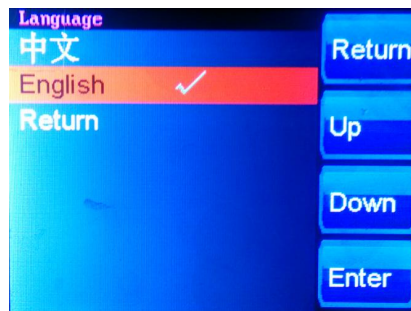


Figure 7

b) Advanced setting

1. ID code: ID code acts on the 16-channel console mode, when the value of the channel 16 is greater than 9, only the ID code correspond to the first two values of channel 16, the values of other channels can take effect.
2. X-axis inversion setting
3. Y-axis inversion setting
4. Putter delay ON, putter dimming softly on the controller. Putting delay can be chosen whether to start from the console.
5. Signal connection, after open signal connection, cut off console, the signal will cut light.
6. Encoder disk - if off, encoder disk failure when in the process of reset and operation, you cannot record the correct position of XY axis, recover from errors trip, the reset from the encoder disk becomes maximum stroke reset.
7. Temperature protection - thermal protection switch
8. Temperature - Temperature protection after opening temperature protection function, when the detected temperature exceeds a protection temperature, the brightness half
9. Fan speed – Reserved
10. Screen saver, you can set it closed, Mode 1 and Mode 2, when closed,

will not go into screen saver mode. Mode1, after screen presentation, clear screen. Mode 2, after entering screen savers, large font display the current address code. After entering the screen saver, touch the screen to exit the screen saver and return to the main menu.

11. Screen rotation, allowing the screen inverted 180 degrees
12. LOGO - whether to show LOGO.
13. Factory setting, the parameter is set to the initial setting
14. Motor reset, manual reset motor
15. Touch-screen calibration when the touch screen display has offset, you can re-calibrate.

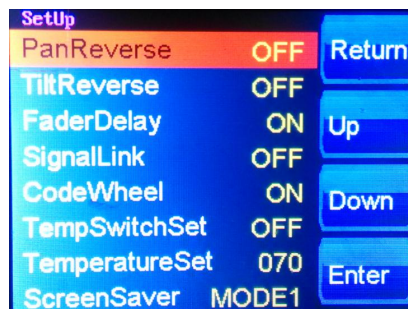


Figure 8

c) System Information

Related information display system shown in Figure 9

1. boot time, time on power on
2. running time, total time of using the light
3. software version, program version currently in use
4. operating mode, the system is currently running mode
5. address code
6. temperature - the temperature of the light board



Figure 9

**X. DMX Channel list**

Channel		Function	Description
13CH	18CH		
CH1	CH1	Dimmer	0~255 Linear Dimming from 0-100%

CH2	CH2	Red	0~255 Linear Dimming from 0-100%
CH3	CH3	Green	0~255 Linear Dimming from 0-100%
CH4	CH4	Blue	0~255 Linear Dimming from 0-100%
CH5	CH5	White	0~255 Linear Dimming from 0-100%
CH6	CH6	Amber	0~255 Linear Dimming from 0-100%
CH7	CH7	UV	0~255 Linear Dimming from 0-100%
	CH8	Custom dimmer	With test mode on the MENU
CH8	CH9	Pan	0~540° pan movement
CH9	CH10	Tilt	0~270° tilt movement
	CH11	Pan fine	16bit pan movement
	CH12	Tilt fine	16bit tilt movement
CH10	CH13	Pan&tilt speed	Pan/Tilt speed adjustment from fast to slow
CH11	CH14	Zoom	
CH12	CH15	Strobe	0: No strobe 1~255: Strobe from slow to fast
	CH16	Macro function	0: No function 1~25: Enable controller delay 26~50: Close controller delay 51~90: Rainbow(With CH16) 91~130: Pulse change 131~170: Color change 171~210: Fade 211~250: Auto 251~255: Sound
	CH17	Macro speed	0~255: Macro speed adjustment from fast to slow 0~255: CH16 at 51~90 chose program color
CH13	CH18	Reset	Reset after 3s