

LED Moving head (One arm)

Usage Instruction

Important notice:

- In this instruction for use contains about the installment and the use aspect important information of the LED moving head. When installing and using, you need to look this usage instruction strictly.

- Before open the LED moving head and if you want to do the repair work, please make sure the power source is at the separation condition.

Catalogue

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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 3 kinds light as red, green, blue 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 four bolts with M8 size by the clip of the LED moving head to install it.Should guarantee the reliability of the install, this way is to prevent the LED moving head occurs swings and skids when it's working.The weight is about 8Kg 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 lamp or 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 thePVC 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 types 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 situatio 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 maintain work should by the specialist which has the experience to carry on.

VII. Equipment and appendix

- 1 led moving head light-----one
- 2 the product of Usage Instruction-----one
- 3 Power source connected lines-----one
- 4 signal lines-----one

VIII. Technical parameters

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

Bulbs: LED1W 12 red / 12 Green / 12 Blue

Power: 68W

Control signal: DMX 512, In sets at the automatic procedure

Channel: 12 CH,DMX512 channel control

Motion: level 540°, vertical 280°, horizontal and vertical uses the electronic replacement function

Color: 16.7 million kind of colors changes

Adjusts the light: 0-100 electron adjusts the light, various colors may alone move also may mix the color tone

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

Package Size: L370 × W360 × H450 mm

NW: 7.3 KG GW: 7.8 KG

IX . Panel operation

This control display panel menu specially for the 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 optionhypothesis is invalid.

1. DMX 512(address establishment).

This function can change the address value.

1.1. presses down "ESC"key once or many times,until demonstrates "A.001".This time will press "UP" or "DOWN" the key glances over other function tables.

1.2. Press the key of "ENTER",the letter "A" extinguishes,then use "UP" or "DOWN" the key

choose the address value"001-512",according to "ENTER" the key confirmed the withdrawal or presses "ESC" the key to give up the withdrawal.

1.3. Must accept when main engine synchronization (namely stochastic pattern) must establish the address value as "001".

1.4. Under explicit address value condition, if will install the connectionless DMX controller display monitor to glitter, if will install connects the DMX controller display monitor not to glitter, but the DMX signal indicating lamp because of will have the signal to glitter.

2. DN.Pr.(DMX512)

This function allows you to choose the different operating mode.

2.1 According to "UP" or "DOWN" glances over other function tables.

2.2 Enters according to "ENTER", again presses "UP" or "DOWN" to choose "nod.1" or "nod.2", according to "ENTER" the key confirmed the preserved withdraw or presses "ESC" not to preserve the withdrawal.

Nod.1: Normal channel digital control.

Nod.2: Less channels digital control.

2.3 Must accept when the host synchronization (namely subsidiary pattern) must establish in advance DMX as "nod.1".

3. TEST

Outside this function allows you not to need to connect under the controller condition to carry out the internal demonstration formula. This establishment is also preserved, does not withdraw from the test procedure when you each time start all automatically enters the test formula.

Presses the key of "UP" or "DOWN" will browse other function tables, will enter according to "ENTER".

3.1. nod.1:

According to "UP" or "DOWN" the key chooses other patterns, enters according to "ENTER", demonstrates "RUN" the test movement. If you need to withdraw, according to "ESC" withdrawal.

3.2. nast(control by the host)

This function allows you runs when the test to need taking responsibility machine to send out the DMX synchronized signal to the auxiliary engine use.

Press the "UP" or "DOWN" key to choose other patterns, enters according to "ENTER", demonstrated "ON" sends out the signal as the main engine, the DMX indicating lamp is bright, demonstrated "OFF" does not send out the signal, the DMX signal indicating lamp extinguishes, according to "ENTER" the confirmation guarantee withdrawal, does not preserve the withdrawal according to "ESC". Establishes after "ON", you must sever exterior DMX controller connection, cannot have two above same establishments the host on the identical company road.

4. Audi(Voice control stimulation)

This function allows you to use the sound to stimulate the test formula.

According to "UP" Or "DOWN" the key will glance over other function tables.

Enters according to "ENTER", again presses "UP" either "DOWN" the choice "ON" or "OFF" when the expression test movement whether uses the sound to stimulate. "ON" the expression use voice control, "OFF" the expression does not use the voice control, by test pattern under automatic control. After has established "ON", when movement test formula the audio signal indicating lamp will glitter along with the music.

5. R.Pan.(Level pan reversal)

This function allows you to reverse the horizontal movement.

Enters according to "ENTER", use "UP" or "DOWN" key, if needs to reverse, choice "ON", if you do not need to reverse, the choice "OFF", the confirmation preservation withdrawal or presses "ESC" according to "ENTER" not to preserve the withdrawal.

6. R.TILT.(Vertical tilt reversal)

This function allows you to reverse the vertical movement.

Enters according to "ENTER",use "UP"or "DOWN" key, if you needs to reverse,choice "ON", if you do not need to reverse, the choice "OFF", the confirmation preservation withdrawal or presses "ESC" according to "ENTER" not to preserve the withdrawal.

7. RESET(Install Replacement)

This function lets you go to the again starter to return to the original standard localization. According to "ENTER" confirmation.

8. Channel list

channel	Value	Function
CH1	000-255	RGB full color change
CH2	000-255	Single color change (Red)
CH3	000-255	Single color change (Green)
CH4	000-255	Single color change (Blue)
CH5	000-255	The control for strobe and speed
CH6	000-001	Single color white
	002-006	Single color red
	007-011	Single color yellow
	012-016	Single color green
	017-021	Single color verdant
	022-026	Single color blue
	027-031	Single color purple
	032-049	Single color white
	050-118	Red and green adjust light
	119-185	Blue and green adjust light
	186-252	Blue and red adjust light
	253-255	Single color white
CH7	000-255	X scanning
CH8	000-255	Y scanning
CH9	000-005	Single color white
	006-127	RGB full color mix,from slow to fast and the change speed can adjust
	128-255	RGB full color change,the speed can adjust
CH10	000-255--	X adjusting
CH11	000-255----	Y adjusting
CH12	000-255----	XY operating and the speed can adjusting