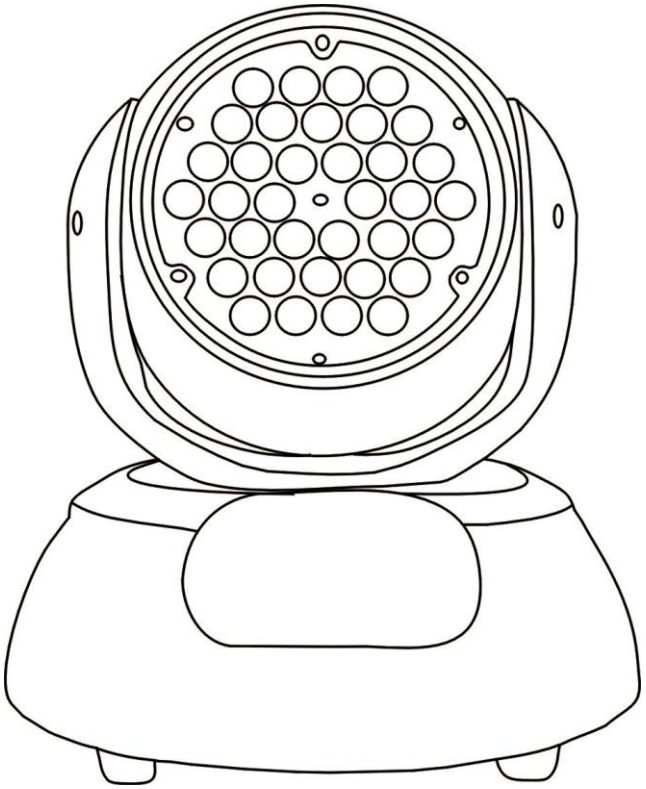
USER MANUAL

LED MOVING HEAD LIGHT

Model: MHLED 36F

(12*15W RGBWA 5IN1 DMX 512 14CH)



CE

Please read over this manual before operation the light

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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.

Attention:

Unceasingly carries on the product improvement about our company the 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 when the product improvement changes the related specification the authority. 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 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 occur 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 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 lamp 1PCE

2 the product of USER MANUAL 1PCE

3 Power source connected lines 1PCE

4 signal lines 1PCE

VIII. Technical parameters

Voltage / frequency: □90-130V/□, √180V-240V/50-60Hz

Bulbs: 12*15W RGBWA 5IN1

Power: 180W

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

Channel: 14 CH, DMX512 channel control

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

Color: 16.7 million kinds 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

IX. Panel operation

This control display panel menu especially 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 option hypothesis 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”, and 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 run 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

CH	Value	Function
CH1	0--255	X Scanning
CH2	0--255	Y Scanning
CH3	0--1	Close

	2--100	Strobe slow - fast
	101--199	Random Strobe slow - fast
	208--217	Reset (After 3sec.)
	218--255	Open
CH4	0--255	Dimmer Dark to Light
CH 5	0--2	RED
	3-4	Red & White
	5--7	Red & Green
	8--9	Green & Blue
	10--12	G
	13--14	GW
	15--17	GB
	18--19	GBW
	20--22	B
	23--24	BW
	25--27	RB
	28--29	RBW
	30--39	W
	40-49	RGBW
	50--83	R Open, G Gradual close
	84--117	R Gradual, G Open, B close
	118--151	G Open, R Close, B Gradual
	152--185	R close, G Gradual, B open
	186--218	B Open, R Gradual, G close
	219--252	R Open, B Gradual, G close
	253--255	RGBW DIMMER

CH6	0--255	R, Dimmer Dark to Light
CH7	0--255	G, Dimmer Dark to Light
CH8	0--255	B, Dimmer Dark to Light
CH9	0-255	W, Dimmer Dark to Light
CH10	0-255	A, Dimmer Dark to Light
CH11	0--5	RGBW, Color is decide by CH5
	6--127	RGBW Graduated, Speed adjustment, from slow to fast
	128--255	R,RG,G,GB,B,RB,RGB,RGBW RAINBOW Effect, Speed adjustment, from slow to fast
CH12	0--255	X Fine
CH13	0--255	Y Fine
CH14	0--251	X/Y speed adjustment, Fast - slow
	252--255	X,Y Vector