

# LED stage lighting equipment instruction manual

## 100W LED module beam moving head light



**Please read the instruction manual carefully before use**

Compared with LED moving head light and traditional par light, LED moving head light has more rich color effects. The color mixing effect is more abundant, the color mixing effect of the three primary colors of the led has risen to 16,700,000, LED moving head light

The usage conditions are divided into two categories, one is commercial lighting, also known as floodlights.

Mainly play the role of lighting, high-power LED lights, LED lights are usually used as a single color and small volume light.

Used in shopping malls, hotels, hotels, fountain plazas, etc.

The colors of LED lights are red, green, blue, and white, and they are often used in stage performances, wedding ceremonies, exhibitions and conference venues.

### 1. Safety Instruction

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet
- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked
- Disconnect main power before replacement or servicing.
- Make sure there is no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. Don't handle the unit by taking its head only, But always by taking its base.
- Maximum ambient temperature is  $t_a: 40^{\circ}\text{C}$ . Don't operate it where the temperature is higher than this.
- Unit surface temperature may reach up to  $85^{\circ}\text{C}$ . Don't touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

10	Prism	0-30	Prism cut
		31-63	Prism cut out
		64-255	Slow to fast rotation clockwise
11	focusing	0-255	Linear focus
12	Auxiliary light dimming	0-255	0%-100% dimming
13	Auxiliary light strobe	0-3	Lights off
		4-255	Synchronous strobe
14	Auxiliary light effect	0-51	Built-in colors
		52-55	Effect 1
		56-59	Effect 2
		...	One effect for every 4 numbers
		252-255	Effect 51
15	Effect speed	0-255	From slow to fast
16	Reset	0-199	Invalid area
		200-205	Reset all
		206-255	Invalid area

## Technical Parameters:

Rated Power: 120W

Rated Voltage: AC100V-240V 50/60Hz

Light Source: 1x100W LED+30x0.2W RGB 3in1(light strip)

Color Wheel: 17+white

Pattern Wheel: 15+white

Prism Wheel: 6+12 facet rotation prism

Channels: 16/18CH

Zoom: Yes

Strobe: Yes

X axis:  $540^{\circ}$

Y axis:  $270^{\circ}$

Control Mode: DMX512, master-slave, self-propelled, voice control

Dimming: 0-100% linear dimming

Product Weight: 7.5kgs

Gross Weight: 9kgs

	190-221	Flowing water counterclockwise from fast to slow
	222-223	Stop water flow
	224-255	Flow clockwise from slow to fast

	43-46	Pattern 11
	47-50	Pattern 12
	51-54	Pattern 13
	55-58	Pattern 14
	59-62	Pattern 15
	63-66	Pattern 16
	67-70	Pattern 17
	71-77	Pattern 1 jitters from slow to fast
	78-84	Pattern 2 jitters from slow to fast
	85-91	Pattern 3 jitters from slow to fast
	92-98	Pattern 4 jitters from slow to fast
	99-105	Pattern 5 jitters from slow to fast
	106-112	Pattern 6 jitters from slow to fast
	113-119	Pattern 7 jitters from slow to fast
	120-126	Pattern 8 jitters from slow to fast
	127-133	Pattern 9 jitters from slow to fast
	134-140	Pattern 10 jitters from slow to fast
	141-147	Pattern 11 jitters from slow to fast
	148-154	Pattern 12 jitters from slow to fast
	155-161	Pattern 13 jitters from slow to fast
	162-168	Pattern 14 jitters from slow to fast
	169-175	Pattern 15 jitters from slow to fast
	176-182	Pattern 16 jitters from slow to fast
	183-189	Pattern 17 jitters from slow to fast

## One: Menu

Serial number	menu	Specific instructions
First interface	ADD: 001 DMX	Address code and operating mode
1	Address	Address code setting (1-512)
2	Run Mode:	Run mode (DMX/Auto Run/Sound)
3	Chanel	Channel mode (16CH)
4	Invert-X	X axis reverse
5	Invert-Y	Y axis reverse
6	Pan	X axis starting position calibration
7	Title	Y-axis starting position calibration
8	Focus	Focusing start position calibration
10	Color	Color wheel start position calibration
11	Gobo	Calibration of the starting position of the fixed chart
12	Prism	Prism start position calibration
13	Dimmer	Maximum power setting
14	Bklight	Backlight time setting
15	Sound	Sound sensitivity setting
16	Default?	Whether to restore the default value
17	Reset?	Whether to reset
18	Version	Version Information

## Two: Channel table

Serial number	Channel function	Numerical value	description
1	X	0-255	0--540°
2	X fine-tuning	0-255	X axis 16bit
3	Y	0-255	0--270°
4	Y fine-tuning	0-255	Y axis 16bit
5	XY speed regulation	0-255	Fast-slow
6	Dimming	0-255	0%-100% dimming
7	Strobe	0-3	invalid
		4-99	Synchronous strobe
		100-149	Pulse strobe
		150-199	Strobe
		200-249	Random strobe
		250-255	Light up
8	colour	0-3	white
		4-7	Color 1
		8-11	Color 2
		12-15	Color3
		16-19	Color4
		20-23	Color5
		24-27	Color6
		28-31	Color7
		32-35	Color8
		36-39	Color9
		40-43	Color10

44-47	Color11
48-51	Color12
52-55	Color13
56-59	Color14
60-63	Color15

		64-67	White light + color 1
		68-71	Color 1+color 2
		72-75	Color 2+color 3
		76-79	Color 3+color 4
		80-83	Color 4+color 5
		84-87	Color 5+color 6
		89-91	Color 6+color 7
		92-95	Color 7+color 8
		96-99	Color 8+color 9
		100-103	Color 9+color 10
		104-107	Color 10+color 11
		108-111	Color 11+color 12
		112-115	Color 12+color 13
		116-119	Color 13+color 14
		120-124	Color 14+color 15
		125-127	Color 15+white light
		128-189	Flowing water counterclockwise from fast to slow
		190-193	Stop water flow
194-255	Flow clockwise from slow to fast		
9	Pattern	0-2	White hole
		3-6	Pattern 1
		7-10	Pattern 2
		11-14	Pattern 3
		15-18	Pattern 4
		19-22	Pattern 5

	23-26	Pattern 6
	27-30	Pattern 7
	31-34	Pattern 8
	35-38	Pattern 9
	39-42	Pattern 10