

80w led Beam moving head



User manual

Please read the instructions carefully before use

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statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1. Safety Instructions

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 are no flammable materials close to the unit while operating as it is fire hazard.
- ⊠ Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

- ⊠ Maximum ambient temperature is T_a : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT 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.

- ⊠ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

⚠ DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- ⚠ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- ⚠ DO NOT open the unit within five minutes after switching off.
- ⚠ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Light source: 80W LED white light module (new generation packaging technology, perfect concentrating, super bright brightness)

Maximum power: 200W

Power supply: Wide voltage input switching power supply 100V-240V 50-60Hz

Color temperature: 6500K

Lamp life: 50000 hours

Control mode: DMX512 signal input, automatic operation

Channel mode: 16CH/20CH

X/Y scan: horizontal 540°, vertical: 270°

Color: 13 color patches + pure white light, and an independent 6 color palette, can achieve the pattern rainbow effect

Fixed pattern: 11 fixed patterns + white light, dithering effect

Atomizing mirror: atomizing soft mirror

Dimming: 0-100% linear dimming

Strobe: Synchronous pulse strobe, random pulse strobe

Prism disk: double prism effect, one 16 prism, one 8 prism, two-way rotation effect

Beam angle: 2°

Focusing: the pattern can be adjusted freely

Display: color LCD display, Chinese and English display, reverse display

The system has an RDM function to remotely modify the address code.

Efficient heat pipe cooling system, no risk of lamp damage

Protection level: IP20

3. How To Control The Unit

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

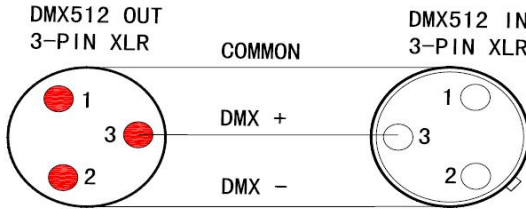
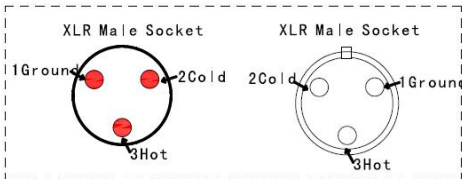


Figure2



XLR Pin Configuration	
pin1=	Ground
pin2=	Data Compliment (negative)
pin3=	Data true (positive)

Display:

- MENU To select the programming functions
- DOWN To go backward in the selected functions
- uP To go forward in the selected functions
- ENTER To confirm the selected functions

Set DMX Address Code

- 1 Press "**Menu**" to "Set DMX Address", and press "**ENTER**" keys to enter into
- 2 Show "Set DMX Address DMX Address:001", Press the "**UP and DOWN**" keys to amended

Press "**ENTER**" keys to save and Exit, Press the "**MENU**" Keys does not save and

Exit

LED80W MENU TABLE

MAIN	SECOND	THIRD
Dmx Address	1 - 512	
Fixture	Dmx Mode	STD/EXT
	Run Mode	DMX/Host/Sound
	Pan Invert	Close/Open
	Tilt Invert	Close/Open
Manual	Pan	0 - 255
	Pan Fine	0 - 255
	Tilt	0 - 255
	Tilt Fine	0 - 255
	⋮	⋮
	Reset	0 - 255
Information	Time	Current Time: xxx H
		Show Time: xxx H
		Power Count: xxx
	Sensor	Type Information
	Temperature	Head Temp: xxx C
		Fan Speed: xxxx RPM

	Software Version	Panel: Vx.xxx
		XY Motor: Vx.xxx
		Motor: Vx.xxx
Factory	Password	0 - 255
	Pan	0 - 255
	Tilt	0 - 255
	Dimmer	0 - 255
	Color	0 - 255
	FixGobo	0 - 255
	Colorful	0 - 255
	Frost	0 - 255
	Prism1	0 - 255
	Prism2	0 - 255
	Zoom	0 - 255
Reset	All Reset	Cancel/Run
	Factory	Cancel/Run
Display	Language	CH/EN
	Display Flip	Close/Open
	Display Mode	Show/60s

DMX channel's functions and values (20/16 DMX channels):

Channel Table

Standard mode (20 channels)	Lite mode (16 channels)	value	Channel function
1	1	0—255	Pan
2	2	0—255	Pan Fine
3	3	0—255	Tilt
4	4	0—255	Tilt Fine
5	*	0—255	P/T Speed
6	5		strobe
		0-3	close
		4-103	strobe from slow to fast
		104-107	Opening
		108-207	Pulse strobe from slow to fast
		208-212	Opening
		213-225	random slow strobe
		226-238	random medium speed strobe
		239-251	random fast strobe
		252-255	opening
7	6	0-255	dimming
8	*	0-255	dimming fine adjustment
9	7		color chips
		0-4	white light
		5-9	white light + color 1

9	7	10-14	color 1
		15-19	color 1 + color 2
		20-24	color 2
		25-29	color 2+ color 3
		30-34	color 3
		35-39	color 3+ color 4
		40-44	color 4
		45-49	color 4+ color 5
		50-54	color 5
		55-59	color 5+ color 6
		60-64	color 6
		65-69	color 6+ color 7
		70-74	color 7
		75-79	color 7+ color 8
		80-84	color 8
		85-89	color 8+color 9
		90-94	color 9
		95-99	color 9+color 10
		100-104	color 10
		105-109	color 10+color 11
110-114	color 11		
115-119	color 11+color 12		
120-124	color 12		
125-129	color 12+color 13		
130-134	color 13		

9	7	140-149	white light
		115–199	from fast to slow water
		200-205	running water stop
		206-255	from slow to fast running water
10	*	0-255	color adjustment
11	8		Gobo
		0-9	white
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo7
		80-89	Gobo 8
		90-99	Gobo 9
		100-109	Gobo 10
		110-119	Gobo 11
		120-127	Gobo 1 Shake
		128-135	Gobo 2 Shake
		136-143	Gobo 3 Shake
		144-151	Gobo 4 Shake
152-159	Gobo 5 Shake		
160-167	Gobo 6 Shake		
168-175	Gobo 7 Shake		

		176-183	Gobo 8 Shake
		184-191	Gobo 9 Shake
		192-199	Gobo 10 Shake
		200-207	Gobo 11 Shake
		208-230	Gobo positive water (from fast to slow)
		231-232	Stopping water
		233-255	Gobo backwater (from slow to fast)
12	9	0–255	Focusing
13	*	0–255	Focusing fine adjustment
14	10		colorful
		0-127	empty
		128-255	colorful
15	11		atomization
		0-255	linear atomization
16	12		prism 1
		0–127	empty
		128-255	prism 1 open
17	13		Prism 1 rotation
		0–63	prism 1 linear positioning
		64–126	From fast to slow flow of water
		127–128	stop
		129–191	From slow to fast flow of water
		192–255	positive and negative (from slow to fast)

18	14		prism 2
		0–127	empty
		128-255	prism 2 open
19	15		Prism 2 rotation
		0–63	prism 2 linear positioning
		64–126	From fast to slow flow of water
		127–128	stop
		129–191	From slow to fast flow of water
		192–255	positive and negative (from slow to fast)
20	16		reset
		200–250	lamp reset
		Other	Other

4. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

5. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.