



LED 90W SPOT MOVING HEAD LIGHT



USER MANUAL

Safety introduction



WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

- 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.
- All fixtures are intact from the manufacture, please operate follow up the user manual, artificial fault are not under guarantee repair.
- Unpack and check carefully that there is no transportation damage before using the unit.
- The unit is for indoor use only. Use only in a dry location.
- Do install and operate by operator
- Use safety chain when fixes the unit. Don't handle the unit by taking its head only, but always by taking its base.
- 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, otherwise the unit will be overheated.
- 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.
- Maximum ambient temperature TA: 40°C. Don't operate it where the temperature is higher than this.
- Don't connect the device to any dimmer pack.
- First run, there will be smoke or smells, and all disappearing a few minutes later.
- Make sure there are no flammable materials close to the unit while operating, as it is a fire hazard.
- Look over power wires carefully, replace immediately if there is any damage.
- Never run on for a long time lest shortening lifespan. Avoid any inflammable liquids, water or metal objects entering the unit.
- Once it happens, cut off the mains power.
- Do not operate in a dirty and dusty environment, also clean fixtures regularly.
- Do not allow children to operate the fixture.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- Avoid power wires together around other cables.
- Disconnect mains power before fuse/lamp replacement or servicing
- Replace fuse only with the same type.
- In the event of a serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or ultraviolet filter must be replaced if they are visibly damaged.
- Do not open the unit as there are no user serviceable parts inside.
- 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 assistant center.
- Disconnect the main power if the fixture is not used for a long time.
- Do use original packing material once transport again.
- Do not look directly at the LED light beam while the fixture is on.

For power supply, do not connect in series much more than 7 units, use another main power supply for next 7 units.

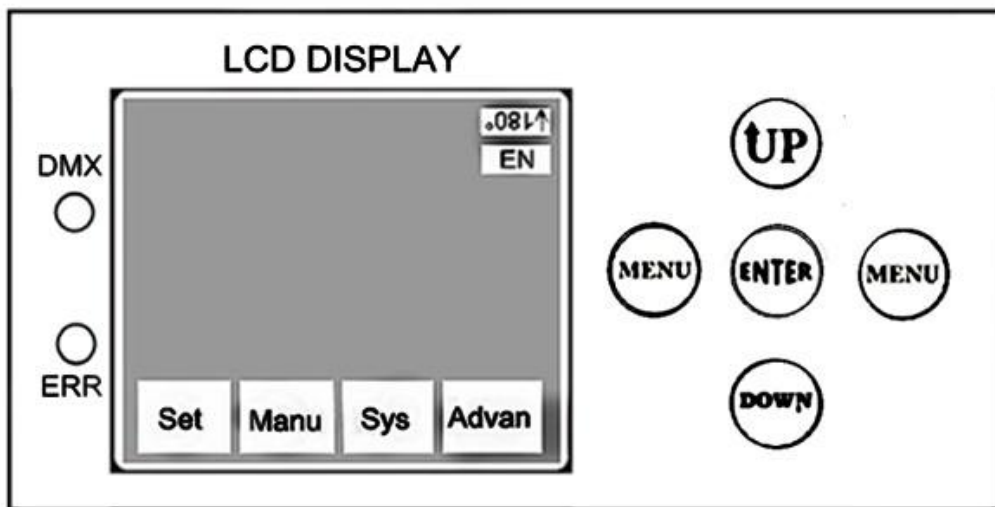
Installation

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. Always ensure 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 a professional. And it must be fixed at a place where it is out of the touch of people and has no one pass by or under it.

Technical parameters:

Voltage	AC90-24V0 50-60Hz
Power	130W
Lamp	LED 90W
Channel	14CH
Prism	3 facet prism
Static gobo	7 Gobo+white
Rotating gobo	6 Gobo + white
Color	8 color
Beam angle	14°
Control mode	DMX/Master/ Slave/Sound-active
Horizontal scanning	540° (8-16 accurate scanning)
Vertical scanning	250° (8-16 accurate scanning)
Strobe	1-25 times per second or random
Dimmer	Variable electronic dimmer (0-100%).
Display	LCD display
Protection rating:	IP20 (indoor use only)
Packing size	33*27.5*43cm(Carton 1in1)
Net weight	7.0KG

Button Panel



There are 5 buttons

“MENU” Button function: Exit the editing and Return to the last order.

“UP”、“DOWN” Button function: Select, edit

“Enter”Button function: Executive function, start editing, exit the editing .

Fine tuning function:

After entering the menu, press the ENTER button for 4 seconds and enter the fine tuning Settings

Menu table

Setting	Run model	DMX
		Auto
		Random
		Sound
	DMX address	1-512
	Channel mode	14CH
	Top lamp temperature	80℃
	Sound regulator	
	Invert Pan	On/Off
	Invert Tilt	On/Off
	Pan/ Tilt Swap	On/Off
	Pan/Tilt Encode	On/Off
	No DMX Signal	Keep/ Clean
	Display	On/Off
	Lamp on@ start up	On/Off
Load default		
Manual	Dimmer	0-255
	Strobe	0-255
	Pan	0-255
	Tilt	0-255
	Pan/Tilt speed	0-255
	Color	0-255
	Gobo(static gobo)	0-255
	Gobo 1 (Rotating gobo)	0-255
	Gobo 1 RT (rotating)	0-255
	Prism	0-255
	Focus	0-255
	Pan fine	0-255
	Tilt fine	0-255
	Reset	
System	Lamp Temp	Temperature of lamp
	DMX monitor	
	System errors	
	Other information	
Advance	Password	Password is : Up,Up,Up,Down,Down,Down
	Sensor monitor	Hall 1-6 state
		Hall XY state
		Pan Tilt code wheel state
		Pan code wheel step
		Tilt code wheel step
	Reset calibration	Pan calibration
		Tilt alibration
		Color alibration
		Gobo alibration
		Focus alibration
		Prism alibration
	Rt gobo(Rotating gobo) alibration	
Zero point correction	On/ Off	
Lamp life Hours	2000	
Lamp Hours clear	Sure	
Display invert	180° invert	
Chinese or EN	Chinese or English exchange	

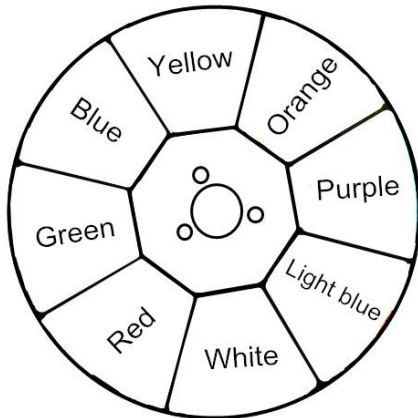
DMX channel

14Channel

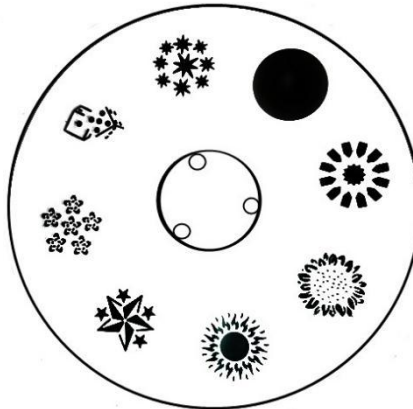
CH	FUNCTION	BIT	EFFECT
1	PAN	0-255	540°
2	PAN FINE	0-255	
3	TILT	0-255	250°
4	TILT FINE	0-255	
5	PAN-TILT SPEED	0-255	SPEED OF PAN / TILT FROM FAST TO SLOW
6	DIMMER	0-255	0-100%
7	STOP/STROBE	0-3	UNUED
		4-251	STROBE FROM SLOW TO FAST
		252-255	UNUED
8	PRISM RT COLOUR	0-4	WHITE
		5-9	RED
		10-14	GREEN
		15-19	BLUE
		20-24	YELLOW
		25-29	ORANGE
		30-34	PURPLE
		35-39	LIGHT BLUE
		40-44	WHITE+ RED
		45-49	RED+ GREEN
		50-54	GREEN+ BLUE
		55-59	BLUE+ YELLOW
		60-64	YELLOW+ ORANGE
		65-69	ORANGE+ PURPLE
		70-74	PURPLE+ LIGHT BLUE
75-79	LIGHT BLUE+ WHITE		
80-255	ROTATION FROM SLOW TO FAST		
9	GOBO	000-009	WHITE
		010-019	GOBO 1
		020-029	GOBO 2
		030-039	GOBO 3
		040-049	GOBO 4
		050-059	GOBO 5
		060-069	GOBO 6
		070-079	GOBO 7
		080-129	COLOCKWISE ROTATION FAST TO SLOW
		130-134	STOP
		135-220	COUNTER CLOCKWISE RATATION SLOW TO FAST
		221-255	GOBO SHAKE FROM SLOW TO FAST
		10	GOBO 1
10-19	GOBO 1		
20-29	GOBO 2		
30-39	GOBO 3		
40-49	GOBO 4		
50-59	GOBO 5		
60-69	GOBO 6		
70-129	ROTATION FROM FAST TO SLOW		
130-134	STOP		
135-225	ROTATION FROM SLOW TO FAST		
226-230	GOBO1 SHAKE, SLOW TO FAST		
231-235	GOBO2 SHAKE, SLOW TO FAST		
236-240	GOBO3 SHAKE, SLOW TO FAST		
241-245	GOBO4 SHAKE, SLOW TO FAST		
246-250	GOBO5 SHAKE, SLOW TO FAST		
251-255	GOBO6 SHAKE, SLOW TO FAST		
11	GOBO1_RT	0-63	POSITION
		64-127	COLOCKWISE ROTATION FAST TO SLOW
		128-190	COLOCKWISE ROTATION SLOW TO FAST
		191-192	STOP
		193-255	COUNTER CLOCKWISE RATATION SLOW TO FAST

12	PRISM	0-9	PRISM EXCLUDED
		10-14	PRISM INSERTED
		15-255	PRISM ROTATION SLOW TO FAST
13	FOCUS	0-255	0-100%
14	RESET	0-254	COMPLETE RESET
		255	UNUSED RANGE

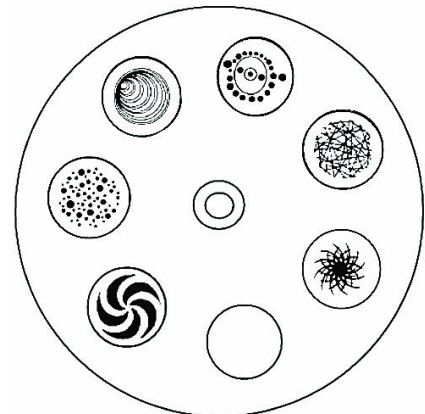
Color wheel



Static Gobo wheel

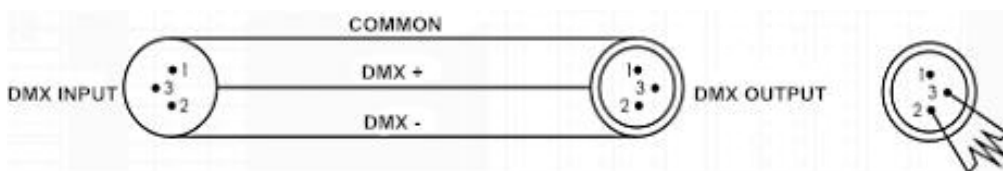
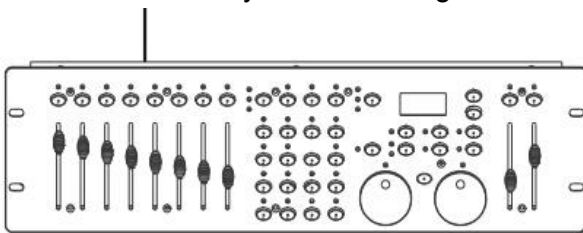


Rotate Gobo wheel



DMX connection

The DMX 512 is widely used in intelligent control, with a maximum of 512 channels.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal (Resistance 120ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Maintenance and cleaning

This moving LED must be kept clean basically, which means dust, dirt or draft of tobacco tar should not be stayed on/in the case, otherwise, it will sharply decrease the output of the moving LED. Regular cleaning can guarantee not only LED output but its life as well. It is suggested to be cleaned by soft cloth with premium glass detergent instead of using alcohol or solvent!

Maintenance

- ★ Danger: Switch off power supply before any maintenance.
- ★ The front glass is easily stained by the draft of tobacco tar, which will decrease light output, so it should be cleaned once a week. As for cooling fan, once a month.
- ★ There is not any repairable part inside the device except for fuse.
- ★ Only franchisers have the right for maintenance.
- ★ Change of Fuse When the bulb is burnt, the fuse might also be burnt at the same time. Only the fuse with same model and class need to be changed.
- ★ Switch off power supply before changing fuse.

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

- ★ Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- ★ Use a brush to wipe down the cooling vents and fan grill.
- ★ Clean the external optics with glass cleaner and a soft cloth every 20 days.
- ★ Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
- ★ Always be sure to dry all parts completely before plugging the unit back in.

Thanks for choosing our products!