

120W BEAM Fill light

user's manual



Please read the instruction manual carefully before use

1.Safety guidance:

Thank you for using our product. In order to use this product safely and effectively, you use this product,Please read the entire contents of this manual carefully before.This manual contains: an introduction to this product and Important information such as safe installation and use, please keep it for reference. Related to installation and use The instructions must be strictly followed.

Note : The equipment is packed in good condition when leaving the factory. Please operate according to the user manual. Failure to follow the manual operation will cause failures and problems, or human failure will cause the machine to fail.

- Before using the product, please open it and check carefully to ensure that the lamp has no damage caused by transportation.
- The lamp is suitable for use in dry environments.
- Installation and operation of lamps should be performed by professionals.
- Use a secure rope when fixing the device, and hold the bottom when moving the light.
- The equipment must be installed in a well-ventilated area.
- Make sure that the vents are clear to prevent the lamp from overheating during operation.
- Before operation, ensure that the power supply voltage matches the power supply voltage required by the device.
- Ground the conductor to prevent electric shock.
- Do not use the lamp in the environment above 40 °C .
- There may be a small amount of smoke or odor when the new lamp is working, and it will disappear after 15 minutes of operation.
- Do not place flammable objects next to the lamp during operation to prevent fire.
- Before turning on the lamp, please carefully check the power cord for damage, and replace it immediately if damaged.
- The surface temperature of the lamp can reach 75 ° C during operation. Do not touch it with bare hands.
- Avoid flammable liquid, water or metal conductors entering the lamp to avoid electric shock or fire. If foreign objects enter the lamp, please cut off the power immediately.
- Avoid operating in dirty and messy environments, and regularly clean and maintain the lamps.
- Do not touch the wires when the lamp is running to prevent electric shock.

- Avoid twisting the power cord with other wires.
- A serious operational failure has occurred, please stop using it immediately.
- Do not operate the machine by yourself. Operation by non-professional personnel will cause damage to the equipment or malfunction. If repair is required, please contact the nearest authorized service center.
- If the lamp is not used for a long time or please cut off the power during maintenance
- To avoid fire hazards or electric shock, do not expose the luminaire to rain or wet areas.

2.Product description:

120W Spot Is a compact, high performance beam moving head light product, it has: RDM features, Console-adjustable address code, Small size for easy transportation, LED light source, Low power, high light efficiency, long life, environmental protection; Faster speed, strong beam, sharpness, etc. Very suitable for use in: bars, clubs, music restaurants, KTV halls, indoor multi-purpose halls and other places.

Voltage: AC100-240V 50/60HZ

Light source: 120W Super brightness LED,12 RGB 3 in 1 SMD LED

Power: 150W

Operating mode: DMX512, master-slave, automatic, sound

Control channel: 14 channels

Dimming: 0-100%LED Linear dimming

Strobe: High-speed electronic strobe

Horizontal and vertical: 540°、270°; 16bit

Fixed gobo disc: A fixed pattern

seven-color film: can make colorful prism effect

Beam angle: 2°

Display board: LED display, Forward and reverse display

light Size: 20*17*34CM

Carton size:24*24*34CM(Single size)

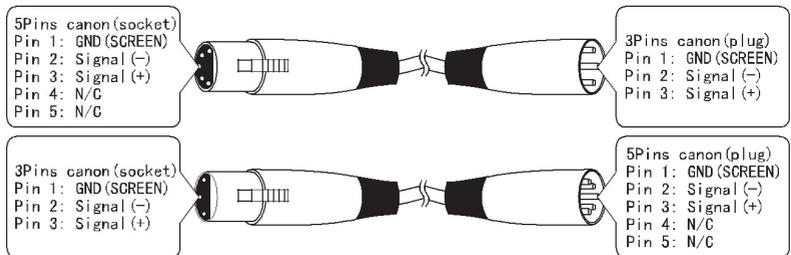
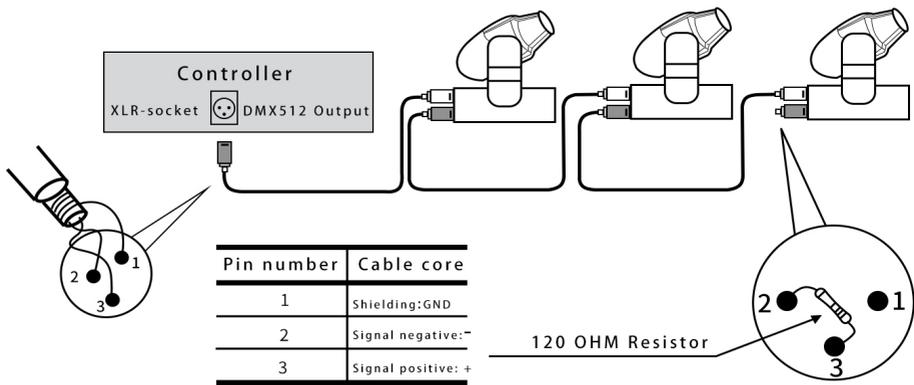
Net weight: 4.2KG

gross weight:5KG

3.Wiring method:

- A: In order to reduce signal errors and avoid signal attenuation and interference during transmission, the DMX input of the last machine can be used. Out Add a 120 OHM 1 / 4W resistor between the 2 and 3 pins on the end.
- B: Use the XLR signal cable to connect the lamp, one end to the output port of the lamp, and the other end to the input port of the next lamp. XLR signal lines can only be used in series, not in parallel. The DMX512 signal transmission speed is very fast. If the signal line is damaged, the welding place is not strong, the contact is not good, etc., it will affect the signal transmission, resulting in signal loss or interference.
- C: When a machine is powered off, the DMX output and input connections are bypassed to maintain DMX line connectivity.
- D: 3-pin XLR connectors are more common than 5-pin XLR:
 3-pin XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal.
 5-pin XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal, PIN4 / PIN5: not used.

The wiring method is as follows



4.Installation Precautions

In order to ensure the stability of the installation site during the installation of the lamp, it is necessary to ensure the firmness of the connection between the lamp pole and the lamp hook when reversing the installation, and use a safety rope to assist the suspension; In order to prevent the lamp from falling and slipping, pedestrians are forbidden to pass when installing and debugging, and regularly check whether the safety rope is worn, whether there are hook screws, loose, and prevent accidents due to unstable installation due to hanging installation.

5.Menu description:

A:Control instructions



“MUNU” The functions are:Exit, return to the previous interface menu

“UP” The functions are:Select the previous item or the value plus

“DOWN” The functions are:Select next item or value minus

“ENTER” The functions are:OK, save, execute commands

	d001-d512	512 address Set
SLnd	Auto	The host in fast auto-walk mode
	Soun	The host in voice mode
	SL 1	Master-Slaver mode
	SLou	Slave mode The host is in slow automatic mode
SEnS	0-99	Voice-controlled sensitivity volume adjustment
rPAN	no	X Motor forward
	YES	X The motor reverses.
rTiL	no	Y Motor forward
	YES	Y The motor reverses.
dISP	no	According to reverse
	YES	According to the positive
CHnd	16CH	16 CH

rESt	YES	According to the positive
FOC	000-255	In the off-console state,the focal length can be fixed for automatic voice control
T000	T000	Temperature monitoring. Protection lamp bead, control fan speed, to achieve the most energy saving state

6: DMX 512 Channel table:

This light has 1 channel modes: 14-channel mode,

14-channel mode, as follows:

14CH	通道功能	DMX 数值	功能描述
CH 1	PAN	0-255	Rotate horizontally: 0-540°
CH 2	TILTPAN Fine	0-255	Fine horizontal: 0%-100%
CH 3	TILT	0-255	Vertical rotation: 0-270°
CH 4	TILT Fine	0-255	Fine vertical: 0%-100%
CH 5	PAN/TILT Speed	0-255	From fast to slow
CH 6	Dimmer 1	0-255	From dark to light
CH 7	Shutter 1	0-9	Rotate horizontally: 0-540°
		10-120	Vertical rotation: 0-270°
		121-255	Fine horizontal: 0%-100%
		0-10	White light
		11-21	Color 1
		22-31	Color 2
		32-41	Color 3
		42-51	Color 4
		52-61	Color 5
		62-71	Color 6

CH 8	Colour	72-86	Color 7
		87-98	Colour6+Colour7
		99-108	Color 5+Color 6
		109-120	Color 4+Color5
		121-132	Color3+Color4
		133-143	Color2+Color3
		143-154	Color 1+Color 2
		154-165	White light+Color 1
		166-207	Color flowing-Positive (Fast to slow)
		208-255	Color flowing-anti (slow to Fast)
CH 9	gobo	0-9	White light
		10-19	gobo 1
		20-29	gobo 2
		30-39	gobo 3
		40-49	gobo 4
		50-59	gobo 5
		60-69	gobo 5White
		70-79	gobo 4 shake
		80-89	gobo 53shake
		90-99	gobo 2 shake
		100-109	gobo 1 shake
		110-119	WhiteWhite
		120-187	Gobo Rotate-Positive (Fast to slow)
		188-255	Gobo Rotate-anti (slow to Fast)
		CH 10	Prism
100-127	Prism insertion		
128-255	Prism rotation (slow to fast)		
CH 11	Prism 2	0-255	Colorful mirrors
CH 12	AUTO/SOUND	0-9	Nothing
		64-105	AUTO the walk fast
		106-195	AUTO slowly since
		196-255	sound
		0-19	Nothing

CH 13	XY auto +reset	20--100	X turn
		101--200	Yturn
		201--250	X Y turn
		251-255	System reset
CH 14	Auxiliary light control	0-19	RED
		20-34	green
		36-48	Blue
		49-65	YELLOW
		66-79	Purple
		80-94	cyan
		95-109	white
		110-255	Run laps effect

7: Troubleshooting

The following are some of the problems that often occur during operation, with some suggestions for troubleshooting:

A. The light does not work, there is no light, and the fan does not turn.

① Check power contacts and fuses.

② Detection voltage.

③ Check the power switch indicator.

B. Not under the control of the controller

① After receiving the DMX signal, the indicator must be on. If it is off, check the DMX signal connector and signal cable to see if it is connected correctly. ② If the DMX indicator is on but there is no response to the channel control, check if the address code is set correctly.

③ If the DMX signal transmission is intermittent, check whether the connection between the XLR and the signal cable is good.

④ Try it with another controller.

⑤ Check whether the distance between the DMX signal line and the high-voltage line is too close, which will damage or interfere with the signal circuit.

C. Failure of a channel

① Stepper motor or motor leads may be damaged.

② The drive circuit of the motor may be damaged.

8: Routine maintenance

The equipment requires regular cleaning and maintenance by professionals. The service life of the equipment depends greatly on the operating environment and daily cleaning and maintenance.

Clean optics: The optical parts should be wiped lightly. Use a soft odorless cotton cloth, water or a special glass cleaner to wipe off the dust and fog, and dry the parts carefully.

Clean air duct: Use a soft brush, tissue paper, air cleaner, or air to blow the dust at the fan and the air inlet. Clean the dust from the fan and air holes to keep the air duct open.