
Four in one all cutting lamp

Use to tell the book



Read the instructions carefully before use

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Precautions and installation Precautions and installation

1.1 Statement

Thank you for choosing our products!734 This product is in good condition and the package is complete when it leaves the factory. For your safe and effective use of this product, please read this instruction carefully and completely before you use this product. This instruction manual contains important information for installation and use. Please install and operate in accordance with the instructions. At the same time, please keep this instruction manual properly for use at any time. Our company does not assume all responsibility for damage to luminaires or other performance due to individuals not following the instructions during installation, use or maintenance.

This manual is subject to technical changes without prior notice.

1.2 Maintenance

- Disconnect the power supply before performing maintenance.
- The lamp should be kept dry and avoid working in wet environment.
- Intermittent use will effectively extend the life of the luminaire.
- For good ventilation and lighting, take care to clean the fan and fan net as well as the lens frequently.
- Do not rub the light fixture housing with organic solvents such as alcohol to avoid damage.

1.3 Product Precautions

- This light fixture is for professional use only.
- Ensure that the power supply voltage is consistent with the equipment requirements before running.
- Do not place this product in a place that is easy to loosen or shake.
- In the process of use, if the lamp appears abnormal, it should stop using the lamp in time.
- In order to ensure the service life of the product, the product should not be placed in damp or leaking places, but also should

not work in the environment where the temperature exceeds 60 degrees.

- After power failure, it takes 20 minutes to use the lamp to cool down fully before power use again.
- The rotating parts of the lamps and pasting accessories must be checked regularly. If they are loose and shake, they should be reinforced in time to prevent accidents.
- In order to ensure the normal use of this product, please read the instructions carefully.

1.4 Product Introduction

- Power of light source: 400W ;
- Voltage: AC 200V~240V/50~60Hz;
- Color disk1: Each disc consists of 6 disc white light;
- Color disk2: Includes CMY function;
- Color disk3: Each disc consists of 3 disc white light;
- Pattern plate: 9 patterns are made up of white circles;
- Glass pattern: 5 patterns are made up of white circles;
- 540° translation, 270° tilt.
- Overheat protection;
- Control mode: DMX512/ master-slave/Automatic;
- IP20 protection level

1.5 Signal cable connection

Light fixtures feature standard DMX input and output 3-core or 5-core XLR sockets. Use a shielded twisted-pair signal cable designed for DMX 512; The signal line is generally connected at 150 meters, and the DMX512 signal amplifier must be added for long distance signal transmission.

Connect a shielded twisted-pair signal line from the DMX outlet of the controller to the DMX input of the first device, and from the DMX outlet of the first device to the DMX input of the second device, and so on, until

all lights have been connected. Then install a terminal plug on the last connected light outlet 3-core jack on each circuit. (Weld a 4/1W, 120Ω resistor between the 2 and 3 pins of the 3-core pin cannon plug).

Important: The wires should not touch each other or the metal housing.

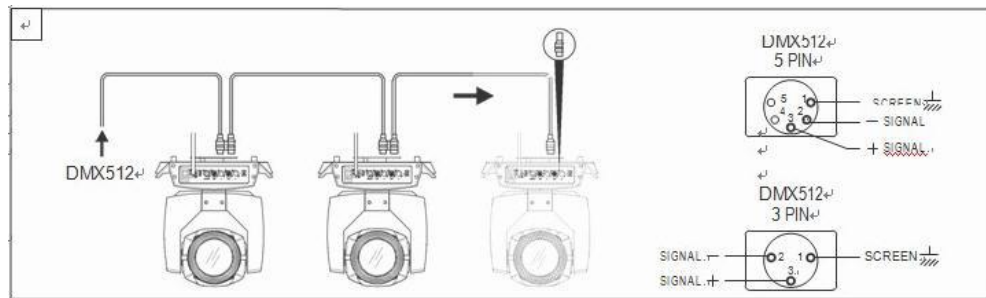


Figure 1 Schematic diagram of DMX signal cable connection

➤ Calculation method of starting address code of luminaire:

The initial address code of the current luminaire is equal to (the initial address code of the previous luminaire)+(the number of channels of the luminaire)

1: Start address code value A001 of the first luminaire.

2: The basic channel number of the controller, should be greater than or equal to the total number of channels used by the lamp.

3: Note: when using any controller, each lamp should have its own initial address code, if the initial address code of the first lamp is set A001, the number of lamp channel pass is 16CH;Then the start of the second lamp address code is set to A017;The initial address code of the third lamp is set to A033;And so on, (this setting also needs to be determined according to different control platforms)

1.6 Luminaire installation

Light fixtures can be placed horizontally, slanted, and hung upside down. Be sure to pay attention to the installation method when hanging diagonally and upside down.

As shown in Figure 2, before positioning the lamp, it is necessary to ensure the stability of the installation site. When installing the reverse hanging, it is necessary to ensure that the lamp does not fall down on the support frame. It is necessary to use the safety rope through the support frame and the lamp handle for auxiliary hanging to ensure safety. Prevent the luminaire from falling and sliding.

When installing and debugging the lamps, it is forbidden for pedestrians to pass under them. Regularly check whether the safety rope is worn and whether the hook screws are loose.

Our company does not assume any responsibility for all consequences caused by the fall of the lamp due to the unstable installation of the hanging.

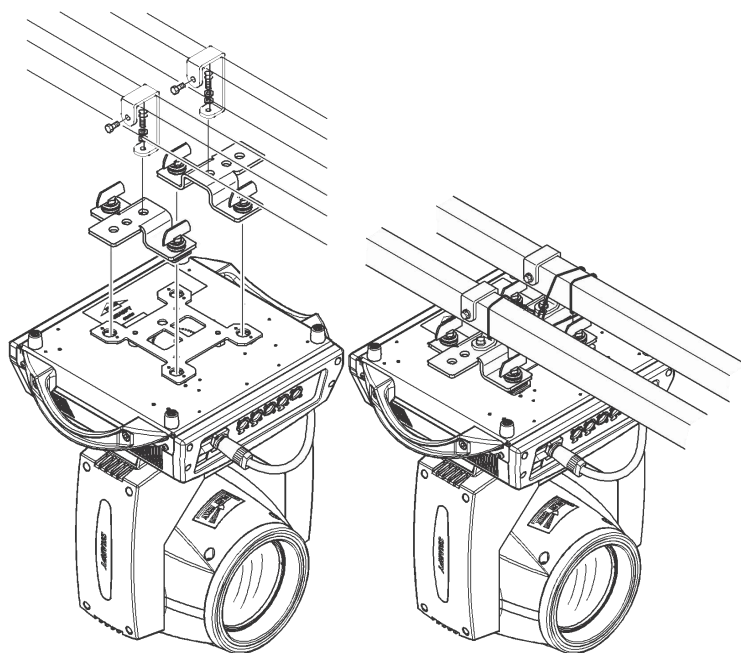


Figure 2. Schematic diagram of the lamp hanging upside down

Control panel

2.1 Key Instructions

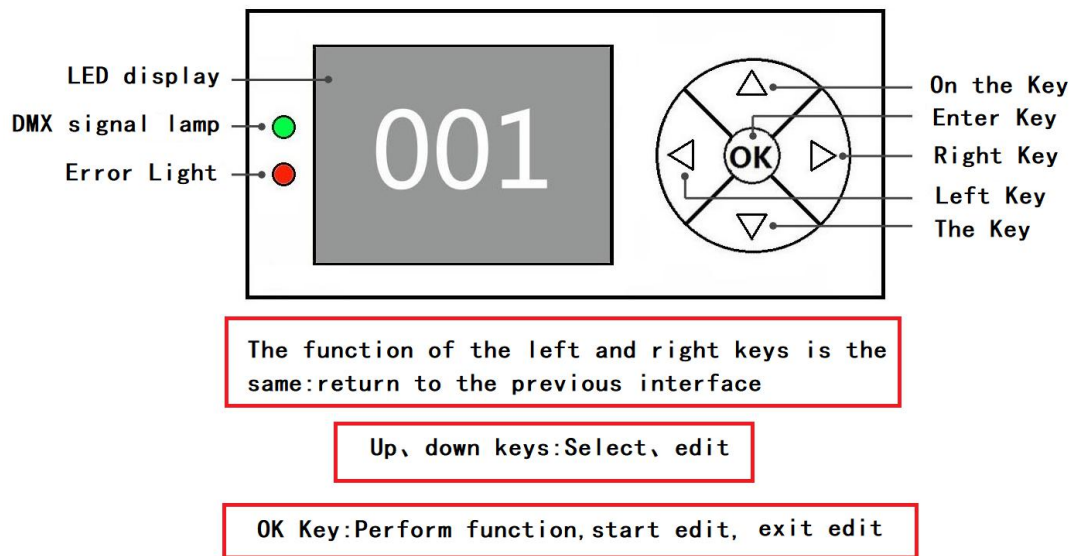


Figure 3 Schematic diagram of key description on the panel

The following takes "Modify DMX address code" as an example to describe the use of keys:

- 1, if the current is not the main interface, press the "left" key (one or more times) to return to the main interface
- 2, in the main interface, press the "up" key or "down" key to select the "DMX Settings" button
3. Press the "OK" key to enter the "DMX Settings" interface
- 4, press the "up" key or "down" key to modify the DMX address code
- 5, press the "OK" key to exit the editing state
6. Press the right button on the main interface to enter the calibration interface shortcut key.

7. Note: The shortcut keys at the bottom of the main interface, Chinese/English, screen rollover and reset, can only be manually touched, not pressed.

Figure the main menu diagram

2.2.1 DMX Settings

Key description: Press up or down is +1 or -1 mode; Press the right button is the next one; Press the left and confirm button to save and exit.

Manual instructions: Enter the hundreds place first, then the tens place, then the last place. (For example, to enter the 286 address code, click 2, then 8, and finally 6)

2.2.2 Menu

Main menu	Secondary menu	Three-level menu	Four-level menu	Five-level menu	
DMX Setup	Dmx Address	1 - 512			
	Channel Mode	24CH			
	Run Mode	DMX			
		Auto			
		Sound			
Personality	Pan Inverse	No			
		Yes			
	Tilt Inverse	No			
		Yes			
	Tilt Feedback	Off			
		On			
	Dimmer Curve	Linear			
		Square Law			
		Inv SQ Law			

Display		S-Curve			
	LED Frequency	600Hz			
		1200Hz			
		2400Hz			
		4800Hz			
		9600Hz			
		12000Hz			
		24000Hz			
	No Data Mode	Blackout			
		Hold			
	M/S Mode	Slave			
		Master			
	Sensitivity	10 - 100			
		Normal			
	Display Rotate	Rotate 180			
	Display Intensity	1- 100			
	Temperature Unit	° C			
		° F			
	Language	English			
		中文			
	All	No			
		Yes			
Motor Reset	Tilt	No			
		Yes			
	Effect	No			
		Yes			
Manual Control	Pan	0 - 255			
	。 。 。	0 - 255			

DMX Live	Function	0 - 255			
	Pan	0 - 255			
	° ° °	0 - 255			
	Function	0 - 255			
Service	Password	Calibration	Motor	Pan	-128 -> 127
		Factory Default	No	° ° °	-128 -> 127

Channel parameter values (full version) :

CHANNEL	NAME	VALUE	DERIF
1	Pan	000-255	0-100%
2	PanFine	000-255	0-100%
3	Tilt	000-255	0-100%
4	TiltFine	000-255	0-100%
5	PanTiltSpeed	000-255	Horizontal and vertical speed, fast to slow
6	Frost	000-127	NO Frost
		128-255	Frost cut in
7	Dimmer	000-255	0-100%
8	DimmerFine	000-255	0-100%
9	Strobe	000-009	Open
		010-199	Sync strobe slow to fast
		200-249	Asynchronous strobe is slow to fast

		250-255	Open
10	CTO	000-255	From shallow to deep
11	Cyan	000-255	From shallow to deep
12	Magenta	000-255	From shallow to deep
13	Yellow	000-255	From shallow to deep
14	Colour1	000-009	white
		010-024	Color 1
		025-039	Color 2
		040-054	Color 3
		055-069	Color 4
		070-084	Color 5
		085-095	Color 6
		096-109	white +Color 1
		110-123	Color 1+Color 2
		124-137	Color 2+Color 3
		138-151	Color 3+Color 4
		152-165	Color 4+Color 5
		166-179	Color 5+Color 6
		180-215	Forward turn fast to slow
		216-220	Stop
		221-255	The reversal is slow to fast
15	Colour2	000-009	white
		010-036	Color 1
		037-063	Color 2
		064-089	Color 3
		090-119	white +Color1
		120-149	Color 1+Color 2

		150-179	Color 2+Color 3
		180-215	Forward turn fast to slow
		216-220	Stop
		221-255	The reversal is slow to fast
16	FixGobo	000-010	White
		011-020	GOBO 1
		021-030	GOBO 2
		031-040	GOBO 3
		041-050	GOBO 4
		051-060	GOBO 5
		061-070	GOBO 6
		071-080	GOBO 7
		081-090	GOBO 8
		091-101	GOBO 9
		102-111	GOBO 1: Jitter from slow to fast
		112-121	GOBO 2: Jitter from slow to fast
		122-131	GOBO 3: Jitter from slow to fast
		132-141	GOBO 4: Jitter from slow to fast
		142-151	GOBO 5: Jitter from slow to fast
		152-161	GOBO 6: Jitter from slow to fast
		162-171	GOBO 7: Jitter from slow to fast
		172-181	GOBO 8: Jitter from slow to fast
		182-191	GOBO 9: Jitter from slow to fast
		192-221	Forward turn fast to slow
		222-225	Stop
		226-255	The reversal is slow to fast
17	RotGobo	000-009	White

		010-025	GOBO 1
		026-041	GOBO 2
		042-057	GOBO 3
		058-073	GOBO 4
		074-089	GOBO 5
		090-109	GOBO 1: Jitter from slow to fast
		110-129	GOBO 2: Jitter from slow to fast
		130-149	GOBO 3: Jitter from slow to fast
		150-169	GOBO 4: Jitter from slow to fast
		170-189	GOBO 5: Jitter from slow to fast
		190-221	Forward turn fast to slow
		222-223	Stop
		224-255	The reversal is slow to fast
18	GoboRot	000-127	Pattern angle adjustment
		128-190	Forward turn fast to slow
		191-192	Stop
		193-255	The reversal is slow to fast
19	Focus	000-255	Focus, far to near
20	Zoom	000-255	Zoom, far to near
21	Prism1	000-127	NULL
		128-255	Prism1 cut in
22	Prism1Rot	000-063	Prism angle adjustment
		064-126	The prism is turning slower to faster
		127-128	The prism rotation stops
		129-191	Prism reversal is slow to fast
		192-255	Prism jitter
23	Framing Macro	000-009	NULL

24	Framing Up1	010-247	Graphics switching
		248-255	Automatic graphics switching
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
		000-255	0-100%
32	Function	210-210	XY reset, hold 3S
		220-235	The head motor is reset and held for 3S
		240-255	All motors are reset and held for 3S
		000-001	NULL
		002-008	SHOW 1
		009-015	SHOW 2
		016-022	SHOW 3
		023-029	SHOW 4
		030-036	SHOW 5
		037-043	SHOW 6
33	Led Effect	044-050	SHOW 7
		051-057	SHOW 8
		058-064	SHOW 9
		065-071	SHOW 10
		072-078	SHOW 11
		079-085	SHOW 12
		086-092	SHOW 13

34	Led Effect Speed	093-099	SHOW 14
		100-106	SHOW 15
		107-113	SHOW 16
		114-120	SHOW 17
		121-127	SHOW 18
		128-134	SHOW 19
		135-141	SHOW 20
		142-148	SHOW 21
		149-155	SHOW 22
		156-162	SHOW 23
		163-169	SHOW 24
		170-176	SHOW 25
		177-183	SHOW 26
		184-190	SHOW 27
		191-197	SHOW 28
		198-204	SHOW 29
		205-211	SHOW 30
		212-218	SHOW 31
		219-225	SHOW 32
		226-232	SHOW 33
		233-239	SHOW 34
		240-246	SHOW 35
		247-253	SHOW 36
		254-255	SHOW 37
		000-255	The speed goes from slow to fast

Common faults

According to some common faults, the corresponding solutions are put forward. Any unsolvable problems should be dealt with by professionals. Disconnect the light fixture before maintaining it.

The lamp will not accept control from the console after normal reset

- *Check luminaire digital start address value and function options are correct;*
- *Check whether the connection of communication control line is correct, the communication line is too long or has been interrupted;*
- *Check whether the control equipment is invalid, check whether the serial access signal amplifier is invalid;*
- *Check whether the communication line is too long or other equipment interferes with each other;*
- *Optimize wiring, shorten the length of control signal lines, high voltage and low voltage lines separate wiring;*
- *Add signal amplifiers;*
- *Signal line using high-quality shielded twisted pair wire;*
- *Connect the signal terminal resistor (120 ohm) at the end of the lamp.*

Luminaire does not start

- Check that the power supply parameters are consistent with the lamp;
- Check the poor contact caused by extrusion deformation, vibration and moisture of internal parts in the long distance transportation process

Or fall off.

- Please check whether the internal wire integration connector of the lamp has fallen off or loosened.
- Check whether the electronic components of the lamp (such as electronic transformer, PCB board, motor control board, etc.) are loose, short circuit and burned out.

When working, the action of the X or Y axis of the lamp is not normal

- Follow the previous step to check them one by one;
- Check whether the transmission belt corresponding to the X and Y axis directions in the lamp falls off and breaks;
- Check whether the data feedback receiver (optocoupler) corresponding to the X and Y directions in the lamp is damaged;
- Restart the machine and reset it once.