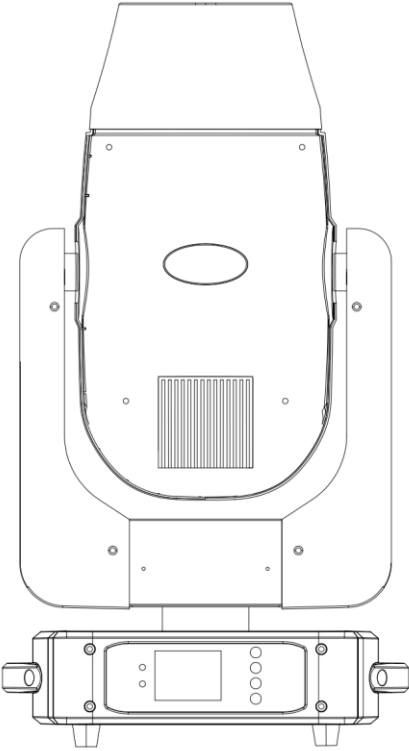


# LED 400W CMY three-in-one headlight



## User Manual

First of all, thank you for buying our professional lighting products

This manual contains important information on how to install and use safely. Please read this manual carefully and follow the instructions for installation and operation. Keep this manual safe in case of emergency.

This swaying chandelier masterfully combines human-centric design with industrial engineering, featuring a sleek and elegant silhouette. Its body is crafted from lead alloy and heat-resistant engineering plastic for optimal thermal efficiency, while the rotating mechanism utilizes electronic positioning technology. Certified to CE standards and controlled by internationally recognized DMN512 signals, it is widely used in television studios, discotheques, dance halls, nightclubs, and outdoor performance venues.

This product is in good condition and in good packaging when it leaves the factory. All users should strictly comply with the warnings and instructions stated in this manual. Any damage caused by misuse is not guaranteed by the company, and any fault or problem caused by neglect of the operation manual is not within the scope of the distributor's responsibility.

No notice will be given if there is any technical change in this manual.

## Safety warning information

Before first use, unpack and check for transportation-related damage. If any damage is found, do not use this lamp and contact the distributor or manufacturer immediately. Do not install the lamp directly on surfaces with flammable materials. Before use, unlock the XY-axis fasteners.

The lamp should be installed in a well-ventilated place, more than 10 cm away from the wall, and check that the fan hole is unblocked.

Do not directly project the lamp on the combustible object, and keep the distance between the lamp and the illuminated object more than 15 meters.

Do not look directly at the light source of the lamp, so as not to cause damage to the eyes. Before installation, please confirm that the power voltage you use is consistent with the voltage indicated by the lamp.

This equipment should not be directly installed on surfaces of flammable materials. Ensure that all contact points between the fixture surface and combustible/explosive materials maintain a minimum

distance of 3 meters. When suspended, verify that the suspension system can support at least 10 times the fixture's weight. Confirm that all cable clamps are undamaged and capable of withstanding 10 times the fixture's total weight. Verify that the building structure can support at least 10 times the combined weight of the fixture, clamps, and associated equipment. Always use safety chains rated to withstand the fixture's full weight, securing them to the fixture's suspension ring.

### **Lighting parameters:**

Voltage: AC 90V-240V

Frequency: 50Hz/60Hz

Power: 480W

Light source: 400W

Color adjustment: 0-100% linear adjustment

Flicker: 0.5-9 times per second

Focus: Linear focus

Zoom: Linear zoom

Color: 8 colors + white light + CTO, rainbow effect speed can be adjusted, half-step color effect

Fixed image: 12 patterns + white light, can be rotated in both directions

Rotating plate: 7 replaceable pattern plate + white light, the pattern flow from slow to fast

Prism disk: Any two kinds of prism effects can be combined and stacked. The dynamic effect of prism can be rotated in both directions to switch the effect

CMY: CMY color mixing system

Level: 540° Electronic error correction

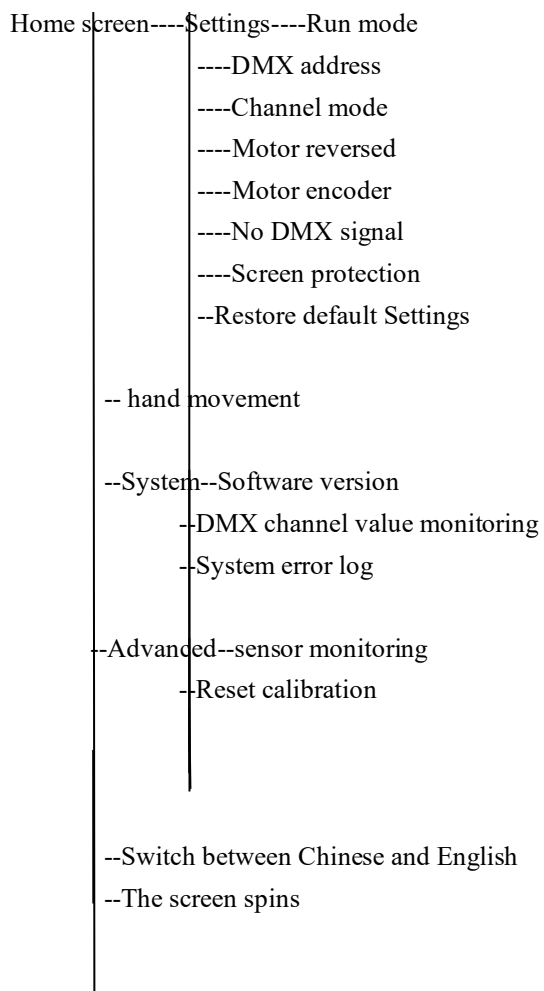
Vertical: 270° Electronic error correction

channel : 24CH

show : LCD

# Interface description

## ➤ Menu structure



➤ **set up**

option	explain	
running mode	DMX	From the machine state: receive DMX signal from console or host
	Random walk	
	sound control	
DMX address	1~512	Press the "OK" key to enter the editing state. Press the "Up" and "down" keys to change the address code. Press the "OK" key again to exit the editing state
channel pattern	Standard 24CH	Standard 24-channel mode
Motor reverses	close	
	open	
Motor encoder	open	Use the encoder (optocoupler) to determine the loss of step and automatically correct the position
	close	Position is not corrected using an encoder (optocoupler)
No DMX signal	keep	Continue to operate in its original state
	zero clearing	The motor returns to its original position and stops running
Screen protection	open	Turn off the backlight after 30 seconds of idleness
	close	Keep the backlight on
Restore to default settings		After pressing the "OK" button, you will see the confirmation dialog box. Press "OK" again to restore the default Settings

➤ **manual control**

This interface controls the current lamp.

Press the "OK" button to enter the editing state. Press the "Up" and "down" keys to change the channel value. Press the "OK" button again to exit the editing state.

➤ **system info**

option	explain
software release	Current software version
DMX channel value	This leads to the sub-interface, where the channel values are displayed in numerical and percentage form for viewing
System error record	If the red ERR indicator light is on, it indicates that the lamp is running out of order. You can enter the sub-interface to view the details. After viewing, you can press the "Clear" key to clear the error record  Note: Sometimes it is not really a problem of the installation of Hall or optocoupler, but the motor wire is reversed

error message	explain
MT board connection failed	There is a problem with the serial communication line connecting the display board and the driver board, or there is a problem with the display board or the driver board.
Motor reset failed	The motor photoelectric switch, or the motor is faulty

➤ **senior**

A password layer is set here to prevent non-professionals from misoperation. The default password is "up up down down". Press the "OK" key to verify the password.

option	explain
Reboot calibration	After entering the sub-interface, you can adjust the reset position of the motor to compensate for hardware installation errors. The adjustment range is -128~+127, and +0 means no adjustment.  The current of the lamp is adjustable, and the adjustment range is 0~255. The larger the value, the greater the current.
Sensor monitoring	Monitor the status of various photoelectric switches, Hall and other sensors on the lamp in real time

**24CH channel list:**

channel	name	numeric value	description
CH1	X axle	0-255	0-540 degrees
CH2	X-axis fine-tuning	0-255	0-2 degrees
CH3	Y axle	0-255	0-270 degrees
CH4	Y-axis fine-tuning	0-255	0-1 degree
CH5	XY velocity	0-255	From fast to slow
CH6	Cut off the light/flicker	0-3	Guan Guang
		4-127	From slow to fast flicker
		128-131	opening the light

		132-251	Random frequency flash from slow to fast
		252-255	opening the light
CH7	aiming	0-255	opening the light
CH8	Color wheel	0-3	white light
		4-7	White light + color 1
		8-11	Color 1
		12-15	Color 1 + Color 2
		16-19	Color 2
		20-23	Color 2 + Color 3
		24-27	Color 3
		28-31	Color 3 + Color 4
		32-35	Color 4
		36-39	Color 4 + Color 5
		40-43	Color 5
		44-47	Color 5 + Color 6
		48-51	Color 6
		52-55	Color 6 + Color 7
		56-59	Color 7
		60-63	Color 7 + Color 8
		64-67	Color 8
		68-71	Color 8 + CTO
		72-162	CTO 0-100%
163-209	From fast to slow positive flow		
210-255	Slow down and reverse the flow		
CH9	ching	0-255	Linear CMY blue
CH10	pinkish red	0-255	Linear CMY Red
CH11	yellow	0-255	Linear CMY yellow
CH12	Patterned panels	0-3	white light
		4-7	Figure 1
		8-11	Figure 2
		12-15	Figure 3
		16-19	Figure 4
		20-23	Figure 5
		24-27	Figure 6
		28-31	Figure 7
		32-35	Figure 8
		36-39	Figure 9
		40-43	Figure 10
		44-63	Figure 11
		64-75	Slowly shake pattern 11 faster
		76-87	Slowly shake pattern 10 to speed up
		88-99	Slowly and quickly shake pattern 9
100-111	Slowly shake pattern 8 to speed up		

		112-123	Slowly shake pattern 7 faster
		124-135	Slowly and quickly shake pattern 6
		136-147	Slowly shake pattern 5 to speed up
		148-159	Slowly shake pattern 4 to speed up
		160-171	Slowly shake pattern 3 to speed up
		172-183	Slowly shake pattern 2 faster
		184-195	Slowly shake pattern 1 faster
		196-255	Slow down and go fast into the flow
CH13	motion graph	0-4	white light
		5-9	Figure 1
		10-14	Figure 2
		15-19	Figure 3
		20-24	Figure 4
		25-29	Figure 5
		30-34	Figure 6
		35-39	Figure 7
		40-54	Big white light
		55-69	Slowly shake pattern 1 faster
		70-84	Slowly shake pattern 2 faster
		85-99	Slowly shake pattern 3 to speed up
		100-114	Slowly shake pattern 4 to speed up
		115-129	Slowly shake pattern 5 to speed up
		130-144	Slowly and quickly shake pattern 6
		145-159	Slowly shake pattern 7 to speed up
		160-207	Slow down and go fast into the flow
208-255	Slow down and reverse the flow		
CH14	Rotate the GIF	0-127	0-360 degrees
		128-191	Slow down and reverse the flow
		192-255	Slow down and go fast into the flow
CH15	amplify	0-255	grow from a small beginning into a mighty
CH16	focus	0-255	From far to near
CH17	Lens 1	0-127	Move the prism
		128-255	Insert prism 1
CH18	Prism 1 rotates	0-127	0-400 degrees
		128-170	Slow down and go fast into the flow
		171-213	Slow down and reverse the flow
		214-234	Slow down and shake 180 degrees fast
		235-255	180 degrees to 2 degrees of fluctuation range adjustment
CH19	Lens 2	0-127	Move the prism
		128-255	Insert prism 2
CH20	The prism spins 2 times	0-127	0-400 degrees
		128-170	Slow down and go fast into the flow

		171-213	Slow down and reverse the flow
		214-234	Slow down and shake 180 degrees fast
		235-255	180 degrees to 2 degrees of fluctuation range adjustment
CH21	atomization	0-127	not have
		128-255	atomization
CH22	CMY automatic color change	0-2	not have
		3-255	Slow to fast automatic CMY
CH23	Auto-scaling	0-2	not have
		3-255	Zoom in and out automatically from slow to fast
CH24	reset	0-127	not have
		128-255	Reset in seconds