

400W LED CMY SPOT MOVE HEAD LIGHT



Please read over this manual before operation the light

Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittently using will extend this item's service life.
- Please clear the fan ,fan net , and optical lens in order to keep good work state.
- Do not use the alcohol or any other organic solvent to wipe the shell.

Statement

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

Product Instruction

Input voltage: AC110V-240V/50-60HZ

Power consumption: 430W

Light source life: 50000 hours

Light source specification: Imported new LED Module engine 400W

Color temperature: 8000K CRI>95

Dimming system: 0-100% linear adjustment

Focusing system: linear adjustment from 4 meters to 50 meters

Frost: 1 independent frost filter, soft and natural light spot

Spot zoom angle: 4-35 degrees

High-speed strobe: 0-30 times/sec.

Adjustable speed strobe effect. Strobe macro function.

CONTROL AND PROGRAMMING

Channel mode: 23 /21 channels

Display mode: LCD display, key + touch dual operation mode

Control signal: International standard DMX512.

With RDM function, online software upgrade is available, dial address code

Color: 8 colors + open.

Color half-color function

Color mixing system: linear CMY+CTO color mixing system

Fixed gobos: 12 fixed patterns + open

Rotating gobos: 7 glass patterns, each glass pattern can be independently forward and reverse

Prism system: standard single 6-facet prism and 8 prism, each prism can be independently forward and reverse

Macro function: console reset function, self-propelled mode, master-slave mode

Horizontal scan: 540 degrees (16bit precision scan) electronic error correction

Vertical scanning: 270 degrees (16bit precision scanning) electronic error correction

Cooling method: Adopt axial fan to enhance cooling

Safety device: with electronic temperature control overheating protection,electronic temperature control automatic power-off protection when the overheating system fails

Appearance material: high temperature resistant plastic

Working environment: -20 degrees - 40 degrees

Protection level: IP20

WEIGHT&DIMENSION

Product net weight: 22.5KG

Product size: 38*27*65CM (L*W*H)

MENU FUNCTION:

DMX Address	DMX Address	001-512		
	DMX channel mode	DMX 23 / 21channel		
	Motor reset			
Work Mode	DMX Ctrl	Open		
	Auto Run			
	Sound Ctrl			
	Sense mode	Auto		
		1-10		
	M/S choose	Auto		
		Slaver mode		
		Master mode		
	Fan mode	Normal		
		Mode 1		
	Mode 2			
Display	language	中文		
		English		
	Screen Saver	off		
		Mode 1		
		Mode 2		
		Mode 3		
		Mode 4		
	Screen Rot	Auto		
		Reverse		
		Forward		
	DMX indicate	Normal		
		Mode 1		
		Mode 2		
	Signal Bright	1-10		
	Screen light	1-10		
Touch Enable	on			
	off			
Touch Rectify				
Scene	Scene select	1-10		
	Scene time	1-255S		
	Control Mode	on		

		off	
	1.Pan	0-255	
	2.Pan Fine	0-255	
	3.Tilt	0-255	
	4.Tilt Fine	0-255	
	5.PT Spd	0-255	
	6.Dimmer	0-255	
	7.Strobe	0-255	
	8.Colour	0-255	
	9.CTO	0-255	
	10.Cyan	0-255	
	11.Magenta	0-255	
	12.Yellow	0-255	
	13.Gobo	0-255	
	14.Zoom	0-255	
	15.Focus	0-255	
	16.Rot Gobo	0-255	
	17.Gobo.Rot	0-255	
	18.prism 1	0-255	
	19. Prism 1 R	0-255	
	20. Prism 2	0-255	
	21. Prism 2 R	0-255	
	22.Frost	0-255	
	23.Reset	0-255	
Advanced	Pan invert	Open	
		Close	
	Tilt invert	Open	
		Close	
	P/T rectify	Open	
		Close	
	Pan offset	4-150	
	Tilt offset	4-48	
	Dimmer Mode	Normal	
		Mode 1	
		Mode 2	
	Data hold	Open	
		Close	
	Scene time	1-255	
	Factory setting	Open	
		Close	
Status	Stepper info		
	Error logging		
	Fixture status	Tep	

	Version	H3.12	
	Light time		
	Total time		
	Serial		

Funtion mode

1. Set DMX Address

Click and select the "ADDR", can enter the page of DMX address setting, range from 1 to 512, the address code shouldn't is not greater than (512- channels quantity), otherwise the light will not been controlled. Following is the operation:

Enter the page of DMX address, click the blank area in right side of display will pop-up diglog as in Fig. 4, modify value, then click 'ENTER' to confirm and save DMX address code.

2. Set Light work mode

Enter the page of 'WORK MOD' and modify setting. Can set light work mode, control lamp and DMX channel mode..

Light includes 3 work mode: DMX MODE, AUTO RUN and SOUND MODE, Parameter definition as following:

- **DMX Mode:** Under this mode, the light receive data from the DMX controller and move.
- **AUTO RUN:** Under this mode, light will run with inside code(data), ignore data from DMX controller.
- **SOUND Ctrl:** Under this mode, light ignore data from DMX controller., When there is a strong sound in stage, the light will run a scene, otherwise it will keep the last scene.
- **M/S Choose:** 'M/S Choose' is available when light just in 'AUTO RUN' or 'SOUND Ctrl' mode. If this item is set as 'OFF', the light don't send data to other light via DMX Cable. When 'ON', the data will send to other slave light immediately.
- **Channel mode:** Light support 2 DMX Channel mode: sample or extend.

3. Set display

Light support 2 language, rotation display, Enter page to set parameter following:

- **Language:** Select display as simplified Chinese or English.
- **Screen Saver:** when panel is idle(these is no operation in 10 second), displayer will enter saver status. When set as 'mode 1', saver status is close display, as 'mode 2' saver status will display DMX address code(DMX MODE) or display LOGO(AUTO RUN or SOUND CTRL). As 'OFF', keep light up display and show main menu.
- **Screen Rotation:** rotate display.
- **Touch enable:** Disable or enable touch function, when disable, use encoder to operate light and set parameter.
- **Touch adjust:** adjust touch function, normally, not enter this item.

4. Test light

Enter the page , Light will into test mode, in this mode, the light does not receive the data for DMX controller.:

- PAN: range for 0 to 255;

- TILT: range for 0 to 255;
- FOCUS: range for 0 to 255;
- COLOR: range for 0 to 255;
- GOBO: range for 0 to 255;
- PRISM: range for 0 to 255;
- FROST: range for 0 to 255; ;
- STROBE: range for 0 to 255; 。

5. Set light run parameter

Enter the page, set the parameter of light:

- Pan Invert: Reverse PAN move.
- Tilt Invert: Reverse TILT mover.
- Rectify enable: set as 'OFF', PAN or TILT will disable position rectify function. As 'ON', when PAN or TILT lose steps, light will rectify auto.
- Pan Offset: Set PAN original position.
- Tilt Offset: Set TILT original position.
- Lamp up when: Select lamp on mode, includes 3 mode: power on, after reset done and manual;
- Factory setting: restore all parameter to factory setting.

6. View status

Enter the page :

- View light current status, version;
- DMXClr: Click to clear all DMX data to '0'.
- SysRst: Click to reset light.

7. DMX CHANNELS

23 channel mode

Channel	NAME	VALUE	BRIEF
1	Pan	0-255	0-540(degree)
2	Pan Fine	0-255	0-2(degree)
3	Tilt	0-255	0-270(degree)
4	Tilt Fine	0-255	0-1(degree)
5	PT Spd	0-255	Fast to slow
6	Dimmer	0-255	0-100% dimmer
7	Strobe	0-3	Dark
		4-103	Pluse strobe slow to fast
		104-107	Open
		108-155	Gradually open strobe slow to fast
		156-207	Gradually close strobe slow to fast
		208-212	Open
		213-251	Rand strobe slow to fast
		252-255	Open
8	Colour	0-9	White
		10-19	Colour1

		20-29	Colour2
		30-39	Colour3
		40-49	Colour4
		50-59	Colour5
		60-69	Colour6
		70-79	Colour7
		80-89	Colour8
		90-99	White+colour1
		100-109	Colour1+Colour2
		110-119	Colour2+Colour3
		120-129	Colour3+Colour4
		130-139	Colour4+Colour5
		140-149	Colour5+Colour6
		150-159	Colour6+Colour7
		160-169	Colour7+Colour8
		170-179	Colour8+Colour9
		180-215	Rotate forward (fast to slow)
		216-220	Stop
		221-255	Rotate reverse (slow to fast)
9	CTO	0-255	CTO
10	Cyan	0-255	Cyan
11	Magenta	0-255	Magenta
12	Yellow	0-255	Yellow
13	Gobo	0-9	Open
		10-14	Gobo1
		15-19	Gobo2
		20-24	Gobo3
		25-29	Gobo4
		30-34	Gobo5
		35-39	Gobo6
		40-44	Gobo7
		45-49	Gobo8
		50-54	Gobo9
		55-59	Gobo10
		60-64	Gobo11
		65-69	Shake slow to fast Gobo1
		70-74	Shake slow to fast Gobo2
		75-79	Shake slow to fast Gobo3
		80-84	Shake slow to fast Gobo4
		85-89	Shake slow to fast Gobo5
		90-94	Shake slow to fast Gobo6
		95-99	Shake slow to fast Gobo7
		100-104	Shake slow to fast Gobo8

		105-109	Shake slow to fast Gobo9
		110-114	Shake slow to fast Gobo10
		115-119	Shake slow to fast Gobo11
		120-127	White
		128-190	Rotate reverse (fast to slow)
		191-192	Stop
		193-255	Rotate forward (slow to fast)
14	Zoom	0-255	Large to small
15	Focus	0-255	Far to near
16	Rot Gobo	0	white
		1-9	white 35 degree
		10-19	Gobo1
		20-29	Gobo2
		30-39	Gobo3
		40-49	Gobo4
		50-59	Gobo5
		60-69	Gobo6
		70-79	Gobo7
		80-89	Shake slow to fast Gobo1
		90-99	Shake slow to fast Gobo2
		100-109	Shake slow to fast Gobo3
		110-119	Shake slow to fast Gobo4
		120-129	Shake slow to fast Gobo5
		130-139	Shake slow to fast Gobo6
		140-149	Shake slow to fast Gobo7
		150-200	Rotate forward (fast to slow)
201-205	Stop		
206-255	Rotate reverse (slow to fast)		
17	Gobo.Rot	0-127	0-360(degree)
		128-190	Rotate reverse (fast to slow)
		191-192	Stop
		193-255	Rotate forward (slow to fast)
18	Prism1	0-127	None
		128-255	Inert prism1
19	Prism1.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop
		196-255	Rotate reverse (slow to fast)
20	Prism2	0-127	None
		128-255	Insert prism2
21	Prism2.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop

		196-255	Rotate reverse (slow to fast)
22	Frost	0-127	None
		128-255	Insert frost
23	Reset	0-209	None
		210-215	Reset XY motor over 3 second
		216-219	None
		220-235	Reset Effect motor over 3 second
		236-239	None
		240-255	Reset fixture over 3 second

21 channel mode

Channel	NAME	VALUE	BRIEF
1	Pan	0-255	0-540(degree)
2	Pan Fine	0-255	0-2(degree)
3	Tilt	0-255	0-270(degree)
4	Tilt Fine	0-255	0-1(degree)
5	Dimmer	0-255	0-100% dimmer
6	Strobe	0-3	Dark
		4-103	Pluse strobe slow to fast
		104-107	Open
		108-155	Gradually open strobe slow to fast
		156-207	Gradually close strobe slow to fast
		208-212	Open
		213-251	Rand strobe slow to fast
		252-255	Open
7	Colour	0-9	White
		10-19	Colour1
		20-29	Colour2
		30-39	Colour3
		40-49	Colour4
		50-59	Colour5
		60-69	Colour6
		70-79	Colour7
		80-89	Colour8
		90-99	White+colour1
		100-109	Colour1+Colour2
		110-119	Colour2+Colour3
		120-129	Colour3+Colour4
		130-139	Colour4+Colour5
		140-149	Colour5+Colour6
		150-159	Colour6+Colour7
160-169	Colour7+Colour8		

		170-179	Colour8+Colour9
		180-215	Rotate forward (fast to slow)
		216-220	Stop
		221-255	Rotate reverse (slow to fast)
8	Cyan	0-255	Cyan
9	Magenta	0-255	Magenta
10	Yellow	0-255	Yellow
11	Gobo	0-9	Open
		10-14	Gobo1
		15-19	Gobo2
		20-24	Gobo3
		25-29	Gobo4
		30-34	Gobo5
		35-39	Gobo6
		40-44	Gobo7
		45-49	Gobo8
		50-54	Gobo9
		55-59	Gobo10
		60-64	Gobo11
		65-69	Shake slow to fast Gobo1
		70-74	Shake slow to fast Gobo2
		75-79	Shake slow to fast Gobo3
		80-84	Shake slow to fast Gobo4
		85-89	Shake slow to fast Gobo5
		90-94	Shake slow to fast Gobo6
		95-99	Shake slow to fast Gobo7
		100-104	Shake slow to fast Gobo8
105-109	Shake slow to fast Gobo9		
110-114	Shake slow to fast Gobo10		
115-119	Shake slow to fast Gobo11		
		120-127	White
		128-190	Rotate reverse (fast to slow)
		191-192	Stop
		193-255	Rotate forward (slow to fast)
12	Rot Gobo	0	white
		1-9	white 35 degree
		10-19	Gobo1
		20-29	Gobo2
		30-39	Gobo3
		40-49	Gobo4
		50-59	Gobo5
		60-69	Gobo6
		70-79	Gobo7

		80-89	Shake slow to fast Gobo1
		90-99	Shake slow to fast Gobo2
		100-109	Shake slow to fast Gobo3
		110-119	Shake slow to fast Gobo4
		120-129	Shake slow to fast Gobo5
		130-139	Shake slow to fast Gobo6
		140-149	Shake slow to fast Gobo7
		150-200	Rotate forward (fast to slow)
		201-205	Stop
		206-255	Rotate reverse (slow to fast)
13	Gobo.Rot	0-127	0-360(degree)
		128-190	Rotate reverse (fast to slow)
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		193-255	Rotate forward (slow to fast)
14	Prism1	0-127	None
		128-255	Inert prism1
15	Prism1.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop
		196-255	Rotate reverse (slow to fast)
16	Prism2	0-127	None
		128-255	Insert prism2
17	Prism2.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop
		196-255	Rotate reverse (slow to fast)
18	Frost	0-127	None
		128-255	Insert frost
19	Zoom	0-255	Large to small
20	Focus	0-255	Far to near
21	Reset	0-209	None
		210-215	Reset XY motor over 3 second
		216-219	None
		220-235	Reset Effect motor over 3 second
		236-239	None
		240-255	Reset fxiture over 3 second