

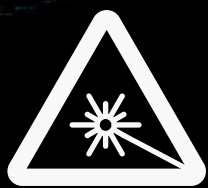
M23 MOVING HEAD LASER LIGHT PRODUCT MANUAL



Thank you for using the laser projector. For the sake of safety and better operation of this projector, please read this manual carefully before use and operation, lest incur any personal injury or damage to the projector

Note: The equipment is packaged in good condition before leaving the factory. Please operate according to the user manual. The failure and problems caused by ignoring the manual operation, or the machine failure caused by human causes are not covered by the warranty.

- Before using the product, please open the carefully check to ensure that there is no damage caused by transportation.
- The lamp is suitable for use in dry environment. Do not expose the lamp to rain or damp area.
- The installation and operation of lamps and lanterns should be carried out by professionals.
- Use safe rope when fixing equipment, and lift the bottom of the lamp when moving.
- The equipment must be installed in a well-ventilated place
- Ensure that the ventilation hole is unobstructed, so as to avoid overheating when the lamp is running.
- Before operation, ensure that the power supply voltage is consistent with the equipment requirements.
- Please ground the conductor to prevent electric shock.
- Do not run lamps in the environment above 40°C.
- There may be a small amount of smoke or odor when the new lamps are working, which will disappear after running for 15 minutes.
- Do not place combustible items next to the lamp when it is running to prevent fire risk.
- Before opening the lamp, please carefully check whether the power cord is damaged. If there is damage, please replace it immediately.
- Avoid flammable liquid, water, metal and other electrical conductors entering the lamp to avoid electric shock or fire. If foreign matter enters the lamp, please cut off the power immediately.
- Avoid operating in dirty and messy environment, and regularly clean and maintain the lamps.
- Do not touch the wire when the lamp is running to prevent electric shock.
- Avoid entangling power cables with other wires.
- Do not operate the machine by yourself. Non-professional operation will cause damage to the equipment or function failure. If you need maintenance, please contact the nearest authorized service center.
- Lamps do not use for a long time or maintenance, please cut off the power supply.



STARSHINE LIGHTS PRODUCT MANUAL





LCD display:



 LED Indicator

 SelectMenu/Menu selection

1.MENU functions: :

Menu	2nd menu	3rd menu
1、 FunctionMode	1.DMX-512 Mode 2.Auto Mode 3.Music Mode 4.ILDA Mode	
2、 LaserShow	1.PlayLaserShow 2.PlayList 3.PlayShow 4.LaserShow	All/001(select one list) All/001(select one program) All/Off
3、 Moving Head Show LED	1.PlayMoveHead 2.MoveHeadShow 3.Position 4.MoveHeadSpeed 5.LED show 6.LED speed 7.LED brightness	Off/All 128/128(select position) 255(select moving speed) Off/All/001 50 255
4、 PlaySetup	1.PlaySetup 2.PlaySpeed 3.PlayMode	1、 PlaySpeed/50% 2.LoopPlay 3.RandomPlay
5、 AddressSetup	Address Setup/001-512	
6、 ChannelSetup	Normal /29CH Expert /46CH	
7、 LaserSetup	1. LaserSetup Scanner speed	Scan Rate 20KPPS
	2、 Color setting	Single color RGY RBP GBC RGB WYPC
	3、 Laser Analog	LaserType/TTL/Analog Bright/ Red max: 255 Bright/ Green max: 255 Bright/ Blue max: 255
	4、 Invert setting	Normal XY invert X invert Y invert XY
	5、 Image Size	Scan Size X ScanSize Y AutoSize X AutoSize Y
	6、 Position	Position Setup position X position Y



STARSHINE LIGHTS PRODUCT MANUAL



8、 MoveHeadSetup	GeneralSetup 1、 Reset Default	Yes No
	2、 SafetyProtected	Turn ON Turn OFF
	3、 Master Setup	Turn ON Turn OFF
	4、 Back Light	Normally ON Delay 15S OFF
	5、 Language	Chinese English
	6、 Display Setup	Rotate 180° NormalDisplay
	7、 About System	LaserSystem2.9 Software Version 1.0/Ver1.0 YM:2020030601
	8、 MoveHead Motor	Motor Invert Pan Motor Fine adjust Tilt Motor Fine adjust
	9、 MoveHead Reset	Yes No
MoveHead Setup		
Motor Invert	Normal Invert Pan Invert Tilt Invert PanTilt	
PanMotorFine	Pan Motor Fine Please Unlock	Value in 101-255 unlock
TiltMotorFine	Tilt Motor Fine Please Unlock	Value in 101-255 unlock

2.DMX-512 : 29 channels:

channel		value	function
CH1	X motor	0~255	X motor
CH2	X motor 16Bit	0~255	X motor 16Bit
CH3	Y motor	0~255	Y motor
CH4	Y motor 16Bit	0~255	Y motor 16Bit
CH5	Motor speed	0~255	XY motor speed
CH6	Reset	0~250	No function
		251~255	After 3second reset
CH7	Laser light dimming	0	off
		1~255	Total dimming 1-100%
CH8	Automatic mode	0~26	Default automatic running speed
		27~127	Select automatic running speed
	Sound mode	128~255	sound sensitive selection
CH9	Pattern library	0~255	Each 8 value select one library
CH10	Pattern select	0~255	Select pattern from pattern library. Work with CH9
CH11	strobe	1~255	Strobe speed
CH12	Pattern size	0~255	Pattern size from big to small
CH13	Horizontal position	0~255	Horizontal position, when value 128 is middle position, work with CH12: 1-255 value
CH14	Vertical position	0~255	Vertical position, when value 128 is middle position, work with CH12: 1-255 vaule
CH15	Color	0-63	Fixed color
		64~95	Fixed color/color changeing speed select
		96~127	color changeing speed select
		128~159	color changeing speed select/color flowing speed select
		160~223	Water flowing speed selection
		224~255	Gradully drawing speed selection
CH16	Color section	0~255	Color section effect selection
CH17	Line scan speed	0~127	Line scan speed selection
	Dot scan speed	128~255	Dot scan speed selection



STARSHINE LIGHTS PRODUCT MANUAL





STARSHINE LIGHTS PRODUCT MANUAL

CH18	Z rotation	0~127	Z rotation position selection
		128~255	Z rotation speed selection
CH19	X rotation	0~127	X rotation position selection
		128~255	X rotation speed selection
CH20	Y rotation	0~127	Y rotation position selection
		128~255	Y rotation speed selection
CH21	Horizontal moving	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH22	Vertical moving	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH23	zooming	0~127	Pattern size selection
		128~255	Zooming speed selection
CH24	Gradually drawing	1~255	Gradually drawing speed selection
CH25	Horizontal wave	1~127	Speed selection
	Vertical wave	128~255	
CH26	LED all on	0~255	Led brightness 0-100%
CH27	LED effect	0~255	Choose Led effect, each 8 value select a effect
CH28	LED effect speed	0~255	LED effect speed from slow to fast
CH29	LED strobe	0~255	LED strobe from slow to fast





STARSHINE LIGHTS PRODUCT MANUAL



channel		value	function
CH1	X motor	0~255	X motor
CH2	X motor 16Bit	0~255	X motor 16Bit
CH3	Y motor	0~255	Y motor
CH4	Y motor 16Bit	0~255	Y motor 16Bit
CH5	Motor speed	0~255	XY motor speed
CH6	Reset	0~250	No function
		251~255	After 3second reset
CH7	Laser light dimming	0	off
		1~255	Total dimming 1-100%
CH8	Automatic mode	0~26	Default automatic running speed
		27~127	Select automatic running speed
	Sound mode	128~255	sound sensitive selection
CH9	Pattern A library	0~255	Each 8 value select one library
CH10	Pattern A select	0~255	Select pattern from pattern library. Work with CH9
CH11	strobe	1~255	Strobe speed
CH12	Pattern size	0~255	Pattern size from big to small
CH13	Horizontal position	0~255	Horizontal position, when value 128 is middle position, work with CH12: 1-255 value
CH14	Vertical position	0~255	Vertical position, when value 128 is middle position, work with CH12: 1-255 vaule
CH15	Color	0-63	Fixed color
		64~95	Fixed color/color changeing speed select
		96~127	color changeing speed select
		128~159	color changeing speed select/color flowing speed select
		160~223	Water flowing speed selection
		224~255	Gradully drawing speed selection
CH16	Color section	0~255	Color section effect selection
CH17	Line scan speed	0~127	Line scan speed selection
	Dot scan speed	128~255	Dot scan speed selection



STARSHINE LIGHTS PRODUCT MANUAL



CH18	Z rotation	0~127	Z rotation position selection
		128~255	Z rotation speed selection
CH19	X rotation	0~127	X rotation position selection
		128~255	X rotation speed selection
CH20	Y rotation	0~127	Y rotation position selection
		128~255	Y rotation speed selection
CH21	Horizontal moving	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH22	Vertical moving	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH23	zooming	0~127	Pattern size selection
		128~255	Zooming speed selection
CH24	Gradually drawing	1~255	Gradually drawing speed selection
CH25	Horizontal wave	1~127	Speed selection
	Vertical wave	128~255	
CH26	Pattern B library	0~255	Each 8 value select one library
CH27	Pattern B select	0~255	Select pattern from pattern library. Work with CH9
CH28	strobe	1~255	Strobe speed
CH29	Pattern size	0~255	Pattern size from big to small
CH30	Horizontal position	0~255	Horizontal position, when value 128 is middle position, work with CH12: 1-255 value
CH31	Vertical position	0~255	Vertical position, when value 128 is middle position, work with CH12: 1-255 value
CH32	Color	0~63	Fixed color
		64~95	Fixed color/color changing speed select
		96~127	color changing speed select
		128~159	color changing speed select/color flowing speed select
		160~223	Water flowing speed selection
		224~255	Gradually drawing speed selection
CH33	Color section	0~255	Color section effect selection



STARSHINE LIGHTS PRODUCT MANUAL

CH34	Line scan speed	0~127	Line scan speed selection
	Dot scan speed	128~255	Dot scan speed selection
CH35	Z rotation	0~127	Z rotation position selection
		128~255	Z rotation speed selection
CH36	X rotation	0~127	X rotation position selection
		128~255	X rotation speed selection
CH37	Y rotation	0~127	Y rotation position selection
		128~255	Y rotation speed selection
CH38	Horizontal moving	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH39	Vertical moving	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH40	zooming	0~127	Pattern size selection
		128~255	Zooming speed selection
CH41	Gradually drawing	1~255	Gradually drawing speed selection
CH42	Horizontal wave	1~127	Speed selection
	Vertical wave	128~255	
CH43	LED all on	0~255	Led brightness 0-100%
CH44	LED effect	0~255	Choose Led effect, each 8 value select a effect
CH45	LED effect speed	0~255	LED effect speed from slow to fast
CH46	LED strobe	0~255	LED strobe from slow to fast

