

CH28	Strobe	1~255	Stroboscopic speed selection
CH29	Size of pattern	0~255	Patterns from large to small selection
CH30	Horizontal position	0~255	Select the horizontal position. 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH31	Vertical position	0~255	Select the vertical position. The value 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH32	color	0~63	Fixed color selection
		64~95	Fixed color/color change effect speed selection
		96~127	Change color effect speed selection
		128~159	Change color effect speed selection/flow effect speed selection
		160~191	Water effect speed selection
		192~223	Water effect speed selection
		224~255	Crescendo effect speed selection
CH33	Section of color	0~255	Color segmentation different effect selection
CH34	Line scan speed	0~127	Line scan speed selection
	Point sweep speed	128~255	Point scan speed selection
CH35	Rotation Z	0~127	Rotate Z Angle selection
		128~255	Rotate Z speed selection
CH36	Rotation X	0~127	Rotate X Angle selection
		128~255	Rotate X speed selection
CH37	Rotation Y	0~127	Rotate Y Angle selection
		128~255	Rotate Y speed selection
CH38	Move horizontally	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH39	Vertical motion	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH40	The zoom	0~127	Scale fixed size selection
		128~255	Zoom speed selection
CH41	Gradually draw	1~255	Gradual drawing speed selection
CH42	Horizontal wave	1~127	Wave velocity selection
	Vertical wave	128~255	
CH43	LEDOverall brightness	0~255	Led brightness 0-100%
CH44	LEDBrightness red	0~255	Led Brightness of red 0-100%
CH45	LEDGreen brightness	0~255	Led Green brightness 0-100%
CH46	LEDBrightness blue	0~255	Led Brightness of blue 0-100%
CH47	LED Effect	0~7	Led The effect follows the laser effect
		8~255	Select Led effects, one for every 8 values
CH48	LED Speed effect	0~255	Select LED effect and speed from slow to fast
CH49	LED Stroboscopic	0~255	Select LED strobe speed from slow to fast

# LASERSHOW SYSTEM

**Model: 5W moving head**

# User's manual

Thanks for your purchasing, please read this manual carefully before operating the system.. It gives you general information for your safe and better operation.

## INSPECTION

Check for the contents in the package refer to the following list: 1.

Laser lighting: 1

2. Power cable: 1

3. User's manual: 1

## Technical parameters

1. Laser diode: DPSS:red:638nm,green:530nm,blue445nm.
2. Power supply: AC110V-220V, 50/60Hz
3. Laser power:  
R: 1000mw  
G: 1000mw  
B: 3000mw
4. Scanner:20 kpps high-speed stepper motor.
5. Control mode: sound control/auto/dmx
6. Dimensions: 285mm×215mm×440mm
7. Net weight: 7.45KG
8. Gross weight: 8.95KG



**DANGER**

LASER RADIATION AVOID EXPOSURE

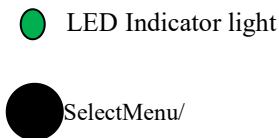


TO BEAM CLASS 3B LASER PRODUCT

## PRO/ Professional Mode: 49CH

Channel	Value channel	Control Content	
CH1	Horizontal motor	0~255	Horizontal motor
CH2	Horizontal motor 16Bit	0~255	Horizontal motor 16Bit
CH3	Vertical motor	0~255	Vertical motor
CH4	Vertical motor 16Bit	0~255	Vertical motor 16Bit
CH5	Motor Speed	0~255	Horizontal and vertical motor speed
CH6	Shake head system reset	0~250	invalid
		251~255	The system resets after a delay of 3 seconds
CH7	The laser turns the light on and off	0	Turn off the lights
		1~255	Light on degree 1-100%
CH8	Automatic trigger	0~26	Default self-walking speed
		27~127	Select self-walking speed
	Voice activated trigger	128~255	Select the sensitivity of voice control
CH9	Pattern library and effects library	0~255	Select the pattern library and effect library, and select one library for every 8 values, such as 0-7 for the first one, 8-15 for the second one, 16-23 for the third one
CH10	Choice of pattern	0~255	Select a pattern, one pattern for every 2 values
CH11	Stroboscopic	1~255	Stroboscopic speed selection
CH12	Size of pattern	0~255	Patterns from large to small selection
CH13	Horizontal position	0~255	Select the horizontal position. 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH14	Vertical position	0~255	Select the vertical position. The value 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH15	color	0~63	Fixed color selection
		64~95	Fixed color/color change effect speed selection
		96~127	Change color effect speed selection
		128~159	Change color effect speed selection/flow effect speed selection
		160~191	Water effect speed selection
		192~223	Water effect speed selection
224~255	Crescendo effect speed selection		
CH16	Section of color	0~255	Color segmentation different effect selection
CH17	Line scan speed	0~127	Line scan speed selection
		128~255	Point scan speed selection
CH18	RotateZ	0~127	Rotate Z Angle selection
		128~255	Rotate Z speed selection
CH19	Rotate X	0~127	Rotate X Angle selection
		128~255	Rotate X speed choice
CH20	Rotate Y	0~127	Rotate Y Angle selection
		128~255	Rotate Y speed choice
CH21	Move horizontally	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH22	Vertical motion	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH23	The zoom	0~127	Scale fixed size selection
		128~255	Zoom speed selection
CH24	Gradually draw	1~255	Gradual drawing speed selection
CH25	Horizontal wave	1~127	Wave velocity selection
		128~255	
CH26	Pattern library and effects library	0~255	Select the pattern library and effect library, and select one library for every 8 values, such as 0-7 for the first one, 8-15 for the second one, 16-23 for the third one...
CH27	Choice of pattern	0~255	elect a pattern, one pattern for every 2 values

**LEDThe display panel is shown below:**



**1、LEDIndicator Status Description。**

- |                              |                                |
|------------------------------|--------------------------------|
| Laser lock condition         | Red and green blinking slowly  |
| Off optical protection state | red                            |
| DMX, Slave machine mode      | Green blinking at medium speed |
| Self walking mode            | Green blinking at slow speed   |
| Voice control mode           | Green sound blinking           |
| ILDAInterface mode           | Green fast flashing            |

**2、SelectMenu/。**

Select the required function menu by rotating left and right. The height of the menu will be selected. Press OK/Return to the selected function.

**2、LCDThe menu functions are as follows:**

First level menu	Secondary Menu	Three level menu
1. FunctionMode	1、 DMX-512 2、 Self walking mode 3、 Voice control mode 4、 ILDA mode	
2、 LaserShow	Play laser program All/001 Show program All/001 Laser effect All/Off	
3.MoveHeadShow	PlayMoveHead MoveHeadShow Off/All Position 128/128 MoveHeadSpeed 255 LED Show OFF/All/001 LED Speed 50 LED Bright 255	
4. PlaySetup	1、 PlaySpeed 2、 PlayMode	1、 50% 2、 Play in a loop Play at random
5.Address code setting	Address code 001	
6. ChannelSetup	Normal Mode Expert Mode	
7、 LaserSetup	1、 Scanner 20KPPS 2、 Color RGB 3、 Laser Analog 4、 Invert Normal 5、 Image Size XY 6、 Position XY	1、 20KPPS 2、 Color Setup Single RGY RBP GBC RGB WYPC

		3.LaserType: TTL/Analog(simulation) Bright Rmax: 255 Bright Gmax: 255 Bright Bmax: 255
		4、 Normal XY invert X invert Y invert XY
		5、 ScanSize X ScanSize Y AutoSize X AutoSize Y
		6、 Position Setup position X position Y
8.MoveHead Setup	GeneralSetup	Yes
	1、 Reset Default	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 180deg NormalDisplay
	7、 About System	Software Version 1.0 XGD:2022031504H
	8、 MoveHead Motor	MotorInvert PanMotorFine TiltMotorFine
9、 MoveHead Reset	Yes No	
MoveHead Setup		
MotorInvert	Normal Invert Pan Invert Tilt Invert PanTilt	
PanMotorFine	PanMotorFine Please Unlock	The value ranges from 101-255 to unlock
TiltMotorFine	TiltMotorFine Please Unlock	The value ranges from 101-255 to unlock

**DMX Control Parameter Chart●R12、 CHANNEL:**

	annel	Value channel	Channel Description
CH1	Horizontal motor	0~255	Horizontal motor
CH2	Horizontal motor 16Bit	0~255	Horizontal motor 16Bit
CH3	Vertical motor	0~255	Vertical motor
CH4	Vertical motor 16Bit	0~255	Vertical motor 16Bit
CH5	Motor speed	0~255	Horizontal and vertical motor speed
CH6	Shake head system reset	0~250	invalid
		251~255	The system resets after a delay of 3 seconds

CH7	Switch the lights	0	Turn off the light
		1~255	Turn on the light brightness 1-100%%
CH8	Automatic trigger	0~26	Default self-walking speed
		27~127	Select self-walking speed
	Voice activated trigger	128~255	Select the sensitivity of voice control
CH9	Pattern library and effects library	0~255	Select the pattern library and effect library, and select one library for every 8 values, such as 0-7 for the first one, 8-15 for the second one, 16-23 for the third one...
CH10	Choice of pattern	0~255	Select a pattern, one pattern for every 2 values
CH11	stroboscopic	1~255	Stroboscopic speed selection
CH12	Size of pattern	0~255	Patterns from large to small selection
CH13	Horizontal position	0~255	Select the horizontal position. 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH14	Vertical position	0~255	Select the vertical position. The value 128 is the middle position. This parameter is valid only when CH12 ranges from 1 to 255
CH15	color	0~63	Fixed color selection
		64~95	Fixed color/color change effect speed selection
		96~127	Change color effect speed selection
		128~159	Change color effect speed selection/flow effect speed selection
		160~191	Water effect speed selection
		192~223	Water effect speed selection
		224~255	Crescendo effect speed selection
CH16	Section of color	0~255	Color segmentation different effect selection
CH17	Line scan speed	0~127	Line scan speed selection
	Point sweep speed	128~255	Point scan speed selection
CH18	Rotate Z	0~127	Rotate Z Angle selection
		128~255	Rotate Z speed selection
CH19	Rotate X	0~127	Rotate X Angle selection
		128~255	Rotate X speed selection
CH20	Rotate Y	0~127	Rotate Y Angle selection
		128~255	Rotate Y speed selection
CH21	Move horizontally	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH22	Vertical motion	0~127	Vertical movement position selection
		128~255	Vertical movement speed selection
CH23	Zoom	0~127	Scale fixed size selection
		128~255	Zoom speed selection
CH24	Gradually draw	1~255	Gradual drawing speed selection
CH25	Horizontal wave	1~127	Wave velocity selection
	Vertical wave	128~255	
CH26	LED Overall brightness	0~255	Led brightness0-100%
CH27	LED Red brightness	0~255	Led red brightness 0-100%
CH28	LED Green brightness	0~255	Led Green brightness0-100%
CH29	LED Blue brightness	0~255	Led Blue brightness 0-100%
CH30	LED Effectt	0~7	Led The effect follows the laser effect
		8~255	Select Led effects, one for every 8 values
CH31	LED Speed of effect	0~255	Select LED effect and speed from slow to fast
CH32	LED Stroboscopic	0~255	Select LED strobe speed from slow to fast

Through the UP and DOWN buttons to select the SET, press ENTER key to ENTER setup function, through the UP and DOWN buttons SETA, SETB, SETC, SETD function as follows, click the EXIT button to return to.

**SETA Settings screen bright features:**

Through the UP and DOWN buttons to select SETA, press ENTER key to ENTER, through the UP at the same time, can choose to DO WN buttons ON (display Chang Liang), 5 s (display bright after 5 seconds off screen), click the EXIT button to return to.

**SETB Settings are open a beam of light protection function:**

Through the UP and DOWN buttons to select SETB, press ENTER key to ENTER, at the same time through the UP, DO WN buttons can choose OFF (closed a beam of light), ON a beam of light (open), click the EXIT button to return to.

**SETC set whether to open the host function:**

Through the UP and DOWN buttons to select the SETC, press ENTER key to ENTER, at the same time through the UP, DO WN buttons can choose OFF host (closed), ON (host), click the EXIT button to return to.

**SETD set DMX channel mode:**

Through the UP and DOWN buttons to select SETD, press ENTER key to ENTER, at the same time through the UP, DO WN buttons can choose 12 ch, 23 ch, click the EXIT button to return to.

**6, choose to restore the default function:**

Through the UP and DOWN buttons to select DEFA, press ENTER key to ENTER the default function, through the UP and DOWN buttons YES (is to restore the default), NO (not restore default) function as follows, click the EXIT button to return to.