

M22 MOVING HEAD LASER LIGHT PRODUCT MANUAL



Thank you for purchasing moving head laser light, for your personal safety and better use of the product, please read this manual carefully before use, lest incur any personal injury or damage to the projector

Display Panel and Channel Reference Manual

1. LCD display panel is as shown below:



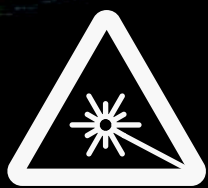
 LED Indicator

 SelectMenu/Menu selection

LED Indicator Status Description

The LED indicator shows the current working status of the laser fixture. Please refer to the descriptions below:

Working Status	Red LED	Green LED	Description
Laser Key Lock Status	Slow Flash	Slow Flash	The laser key is locked. The red and green LEDs flash slowly.
Safety Protection Status	ON	OFF	Light blocking or safety protection is activated. The red LED stays on.
DMX / Slave Mode	OFF	Medium Flash	The fixture is in DMX or Slave Mode. The green LED flashes at medium speed.
Auto Mode	OFF	Slow Flash	The fixture is in Auto Mode. The green LED flashes slowly.
Music Mode	OFF	Fast Flash	The fixture is in Sound-Activated Mode. The green LED flashes quickly according to the music signal.
ILDA Mode	OFF	Fast Flash	The fixture is in ILDA interface mode. The green LED flashes quickly.



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Button / Knob Description

Item	Function
LED Indicator	Shows the current operating status of the laser fixture.
Select Menu / Menu Selection Knob	Rotate left or right to browse the menu. Press to confirm or return.
Display Screen	Shows the current mode, address, and function menu.

Button / Knob Description

Run function	Menu functions	Menu Settings	Instructions
DMX Control	DMX Setup DMX Settings	DMX+Slave DMX+Slave	DMX512 mode and slave mode, when the master and slave are connected, the slave must be set to DMX+slave
		DMX512	DMX512 Mode
	Channel Channel Mode	16CH	Normal mode
		36CH	Professional Mode
	Address Address code	1	Set the address code of the light
	DmxSignal DMX signal	Disconnect disconnect	No DMX signal received
		Connect connect	DMX signal reception is normal
StateInfo Running status	Laser ON/Laser light Laser OFF/Laser off	Display light working status	
QuickPlay Fast Play	Trigger Trigger Play	Auto Self-propelled	Self-propelled mode
		Music Voice control	Voice control mode
	Playing Now Playing	Show:All	Select the program to play, All is all programs
	PlayList Playlist	List: All	Select the playlist, All is the entire list
		SizeX:100	Select the horizontal size of the self-propelled pattern
		SizeY:100	Select the vertical size of the self-propelled pattern
		Bright:255	Select the overall brightness of the self-propelled pattern
	PlaySpeed Playback Speed	AutoSpeed 50 50/Self-propelled speed	Select the self-propelled speed from 0 to 100
		Sensitivity 80 80/Voice control sensitivity	Select the voice control sensitivity from 0 to 100
	StateInfo Running status	Laser ON/Laser light Laser OFF/Laser off	Display light working status



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ILDA-Mode ILDA Control	ILDASetup ILDA Settings	ILDA-DB25	Select DB25 signal input, automatically identify ILDA line
		ILDA-NET ILDA-Network Cable	Select the network cable signal input, and note that you can only select other operating modes after manually shutting it down.
	ILDA1 ILDA1 Run	Reserve Not used	reserve
	ILDA2 ILDA2 Run	Reserve Not used	reserve
	Signal ILDA signal	Disconnect disconnect	ILDA line is not connected
		Connect connect	ILDA line connection is normal
	StateInfo Running status	Laser ON/Laser light Laser OFF/Laser off	Display light working status
LaserSetup Laser light settings	ScanRate Scan speed	30KPPS	Set the scanning speed of the galvanometer
		Pattern:1	Selecting a test pattern
	Color Color settings	RGB	Set the color of the light
		Rmax:255	Set the red brightness of the laser
		Gmax:255	Set the green brightness of the laser
		Bmax:255	Set the blue brightness of the laser
	XY-Invert Inverting setting	Invert-X:Yes No YesNo/XInvert	Set horizontal inversion
		Invert-Y:Yes No YesNo/Y invert	Set vertical inversion
		SwapXY:Yes No YesNo/XY exchange	Setting XY Swap
		<<<	return
	XY-Size Size settings	X: 100	Set the horizontal scan size
		Y: 100	Set the vertical scan size
	XY-Offset Location Settings	X: 128	Set the horizontal position, close the light when out of bounds
		Y: 128	Set vertical position, close the light when out of bounds



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Settings General settings	Safety Security protection	OFF closure	Set safety protection to off, laser single point light
		ON Open	Set safety protection to on, laser single point light off
	Master Host Settings	OFF closure	Set the host to shut down, and cannot control the master and slave online
		ON Open	Set the host to start, master-slave online control
	LaserType Laser	Anglog simulation	Setting up analog modulated lasers
		TTL	Setting up TTL modulated laser
	DMX-Trig DMX Trigger	TriggerRun Trigger Run	Automatically runs DMX512 mode after receiving DMX signal
		ManualRun Manual Run	Manually select DMX512 mode. The host must be set to manual operation when the master and slave are connected.
	Oper.Temp Thermostat	OFF closure	Turn off the laser temperature detection function
		ON Open	Turn on the laser temperature detection function
SystemSet System Settings	Language Voice message settings	Chinese	Set the menu interface to English
		English	Set the menu interface to Chinese
	Backlight Backlit lock screen	LCD ON Always on	LCD backlight always on
		15S LCD OFF 15S-Close	LCD backlight off
		15S LCD Lock 15S-Lock screen	LCD backlight turns off and the screen is locked
	Display Display Settings	Normal normal	Set the menu interface to display normally
		180deg 180 degrees	Set the menu interface to rotate 180 degrees
	App Skin Skin Settings	1 to 4	Set the skin style of the menu interface
Default Restore Defaults	111	When you reach 222, press OK to restore factory settings.	
SystemInfo System Information	Version System version	Thread3.13	View system information
	Hardware Hardware version	C100MV1.8	View Hardware Information
	App Name Program Name	YM01V1.56G	View software information
	Firmware System Firmware	2024012201	View firmware information
	UpdateApp Firmware Upgrade	CheckVer Check for upgrades	Upgrade function reserved



Led moving head MoveHead	Head shaking show MoveShow	All/Program Show:All Head shaking speed 255 Speed:255	
	Shake head manually RunManual	Pan: 128 Tilt: 128	
	Shaking head inverted Movephase	No/Pan Invert Panphase :No No/Tilt Invert Tiltphase:No	
	Shaking head settings MoveSetup	Lock:230	234 Enter settings
	Led Show LedShow	All/Led Program Show:All 50/Led speed Speed:50 255/Led brightness Bright:255	

c、DMX-512 channel description:

1. Normal mode: 29CH

aisle		Channel Value	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 the system to reset	0~250	invalid
		251~255	The system resets after a delay of 3 seconds
CH7	Laser switch light	0	Turn off the lights
		1~255	Light brightness 1-100%
CH8	Automatic trigger	0~26	Default self-propelled speed
		27~127	Select the self-propelled speed
	Voice trigger	128~255	Select the voice control sensitivity
CH9	Pattern Group	0~127	Select a pattern group for every 16 values
	Dynamic Effects Group	128~255	Select a dynamic effect group for every 16 values
CH10	Pattern selection	0~255	Choose a pattern every 5 values
	Dynamic effect selection	0~1	Play all programs of the selected dynamic effect group
		2~255	Select an effect program for every 2 values



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CH11	Strobe	1~255	Strobe speed selection
CH12	Pattern size	0~255	Choose from large to small patterns
CH13	Horizontal position coarse adjustment	0~255	Horizontal position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH14	Vertical position coarse adjustment	0~255	Vertical position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH15	color	0-3	Original color
		4-31	Fixed seven-color selection, choose one for every 4 values
		32~35	Colorful color changing effect
		36~39	Red, green and blue color changing effect
		40~43	Original color change effect
		44~239	Multiple combinations of water effects, choose one for every 4 values
		240~255	Gradient effect
CH16	Color Speed	0-3	Color Speed Off
		4-127	Color speed from slow to fast, positive
		128-255	Color speed from slow to fast, invert
CH17	Line scan speed	0~127	Line scan speed selection
	Point scanning speed	128~255	Point scanning speed selection
CH18	Rotate Z	0~127	Rotate Z angle selection
		128~255	Rotation Z speed selection
CH19	Rotate X	0~127	Rotate X angle selection
		128~255	Rotation X speed selection
CH20	Rotate Y	0~127	Rotate Y angle selection
		128~255	Rotation Y speed selection
CH21	Horizontal movement	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection



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CH22	Vertical movement	0~127	Vertical movement position selection
		128~255	Vertical moving speed selection
CH23	Zoom	0~127	Scaling fixed size selection
		128~255	Zoom speed selection
CH24	Gradual Drawing	1~255	Gradient speed selection
CH25	Horizontal waves	1~127	Wave speed selection
	Vertical Waves	128~255	
CH26	LED overall brightness	0~255	LED brightness 0-100%
CH27	LED Effects	0~255	Select the LED effect, select an effect for every 8 values
CH28	LED Effect Speed	0~255	Select LED effect and speed from slow to fast
CH29	LED Strobe	0~255	Select LED strobe speed from slow to fast

2、 Professional mode: 46CH

aisle		Channel Value	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 the system to reset	0~250	invalid
		251~255	The system resets after a delay of 3 seconds
CH7	Laser switch light	0	Turn off the lights
		1~255	Light brightness 1-100%
CH8	Automatic trigger	0~26	Default self-propelled speed
		27~127	Select the self-propelled speed
	Voice trigger	128~255	Select the voice control sensitivity



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CH9	Pattern Group	0~127	Select a pattern group for every 16 values
	Dynamic Effects Group	128~255	Select a dynamic effect group for every 16 values
CH10	Pattern selection	0~255	Choose a pattern every 5 values
	Dynamic effect selection	0~1	Play all programs of the selected dynamic effect group
		2~255	Select an effect program for every 2 values
CH11	Strobe	1~255	Strobe speed selection
CH12	Pattern size	0~255	Choose from large to small patterns
CH13	Horizontal position coarse adjustment	0~255	Horizontal position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH14	Vertical position coarse adjustment	0~255	Vertical position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH15	color	0~3	Original color
		4~31	Fixed seven-color selection, choose one for every 4 values
		32~35	Colorful color changing effect
		36~39	Red, green and blue color changing effect
		40~43	Original color change effect
		44~239	Multiple combinations of water effects, choose one for every 4 values
		240~255	Gradient effect
CH16	Color Speed	0~3	Color Speed Off
		4~127	Color speed from slow to fast, positive
		128~255	Color speed from slow to fast, invert
CH17	Line scan speed	0~127	Line scan speed selection
	Point scanning speed	128~255	Point scanning speed selection
CH18	Rotate Z	0~127	Rotate Z angle selection
		128~255	Rotation Z speed selection
CH19	Rotate X	0~127	Rotate X angle selection
		128~255	Rotation X speed selection
CH20	Rotate Y	0~127	Rotate Y angle selection
		128~255	Rotation Y speed selection



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CH21	Horizontal movement	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH22	Vertical movement	0~127	Vertical movement position selection
		128~255	Vertical moving speed selection
CH23	Zoom	0~127	Scaling fixed size selection
		128~255	Zoom speed selection
CH24	Gradual Drawing	1~255	Gradient speed selection
CH25	Horizontal waves	1~127	Wave speed selection
	Vertical Waves	128~255	
CH26	Pattern Library	0~255	Select a pattern library for every 16 values
CH27	pattern	0~255	Choose a pattern every 5 values
CH28	Strobe	1~255	Strobe speed selection
CH29	Pattern size	0~255	Choose from large to small patterns
CH30	Horizontal position coarse adjustment	0~255	Horizontal position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH31	Vertical position coarse adjustment	0~255	Vertical position coarse adjustment selection, the value 128 is the middle position, out of bounds close the light
CH32	color	0~3	Original color
		4~31	Fixed seven-color selection, choose one for every 4 values
		32~35	Colorful color changing effect
		36~39	Red, green and blue color changing effect
		40~43	Original color change effect
		44~239	Multiple combinations of water effects, choose one for every 4 values
		240~255	Gradient effect
CH33	Color Speed	0~3	Color Speed Off
		4~127	Color speed from slow to fast, positive
		128~255	Color speed from slow to fast, invert
CH34	Line scan speed	0~127	Line scan speed selection
	Point scanning speed	128~255	Point scanning speed selection





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CH35	Rotate Z	0~127	Rotate Z angle selection
		128~255	Rotation Z speed selection
CH36	Rotate X	0~127	Rotate X angle selection
		128~255	Rotation X speed selection
CH37	Rotate Y	0~127	Rotate Y angle selection
		128~255	Rotation Y speed selection
CH38	Horizontal movement	0~127	Horizontal movement position selection
		128~255	Horizontal movement speed selection
CH39	Vertical movement	0~127	Vertical movement position selection
		128~255	Vertical moving speed selection
CH40	Zoom	0~127	Scaling fixed size selection
		128~255	Zoom speed selection
CH41	Gradual Drawing	1~255	Gradient speed selection
CH42	Horizontal waves	1~127	Wave speed selection
	Vertical Waves	128~255	
CH43	LED overall brightness	0~255	LED brightness 0-100%
CH44	LED Effects	0~255	Select the LED effect, select an effect for every 8 values
CH45	LED Effect Speed	0~255	Select LED effect and speed from slow to fast
CH46	LED Strobe	0~255	Select LED strobe speed from slow to fast

