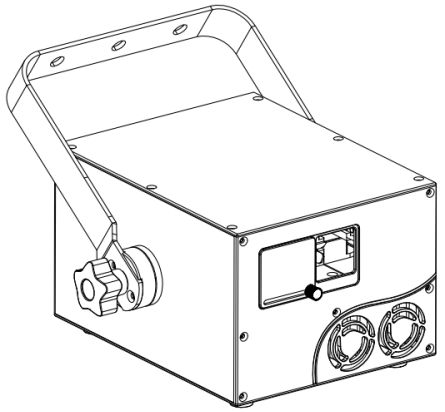
synchronization mode, the master is normal, and the slave is abnormal	not connected to the DMX console, and set to voice control or auto-propelled mode. 2.There is still a problem with the correct master and slave settings, please check the online line.
Key failure, no work	1.Check whether any of the keys has not been reset normally.
The light is dim and the brightness is obviously reduced	1.Check whether the light source has reached the expiration date. 2.Check whether the internal and external optical system is clean.
If the fault cannot be eliminated according to the above method, please contact with dealer.	

USER MANUAL



RGB STAGE LIGHT

Please read this manual carefully before using the product

CONTENT

Electrical safety

Optical security

Product common breakdown comparative chart	
Break down cause	Major breakdown analysis and solution
The light no emitting or no work	1. Check the power cable whether to connect the light,whether the fuse does burn out 2. Check the input voltage whether to assign the voltage match with the light. Check work order is normal reset or not.
No sound control	1.Check whether the keys on the display screen are set to the voice control mode according to the instructions. 2. If the sound sensitivity value is small, select a larger value.
The light can emit light normally and is not controlled by the controller	1.Check whether the start address code of the display screen of the light is set correctly. 2.Check whether the XLR signal is damaged.
Master-slave	1.Confirm that there is only one host, and the host is

10. Maintenance

1. Maintenance should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.Always disconnect from the power when the device is not in use or before cleaning it.

2. Cooling fan cleaning: Use compressed air to clean the fan of the device. The fan position plays a vital role in the normal operation of the device. Please ensure the normal operation of the fan.

3. When the equipment is used frequently, the fan should be cleaned every 1 month, or in a dusty and oily environment, the number of cleanings should be increased. The actual operation should be implemented according to the application environment of the equipment to ensure the normal operation of the fan.

4. Internal optical cleaning: cleaning internal optical components requires professional authorized technicians to operate. Incorrect cleaning techniques or improper cleaning choices can cause serious damage to the equipment. Since the optical part and the rest of the light source system are separated and sealed, this operation should not be performed more than once a year.

11.Warning and Declaration

Do not look directly at the light source with your eyes when turning on the light. Before any installation and maintenance work, please make sure that the power has been cut off.

1. Safety Guidance

Thank you for choosing our products. For your safety, please read this manual carefully before operation. This manual includes installation and use information. The equipment is packaged in good condition when leaving the factory. Please operate according to the user manual. The machine failure caused by man-made reasons is not covered by the warranty.

1．When using the product, please open the light and check it carefully to ensure that there is no damage caused by transportation..

2．Don't let children operate the machine.

3．Use safe ropes when fixing the equipment, and hold up the bottom when moving the light.

4．The equipment must be installed in a well-ventilated place .

5．Ensure that the ventilation holes are unobstructed to avoid overheating when the light is running.

6．Before operation, make sure that the power supply voltage matches the power supply voltage required by the equipment.

7．Please ground the conductor to prevent electric shock.

8．In case of fire, do not place combustible items next to light when they are running.

9．Please carefully check whether the power cord is damaged before turning on the light. If it is damaged, replace it immediately.

10．To avoid electric shock or fire, avoid flammable liquid, water, metal and other electrical conductors entering the light. If any foreign body enters the light, please cut off the power supply immediately .

11．Avoid operating the light in a dirty and dusty environment, and clean and maintain the light regularly.

12．Do not touch the wire when the light is running to prevent electric shock.

13．Avoid entanglement of the power cord with other wires.

14．Do not open the light housing without authorization

15．Please cut off the power when the light is not used for a long time or for maintenance.

16．Do not look directly at the light when it is running.

2. Packing List

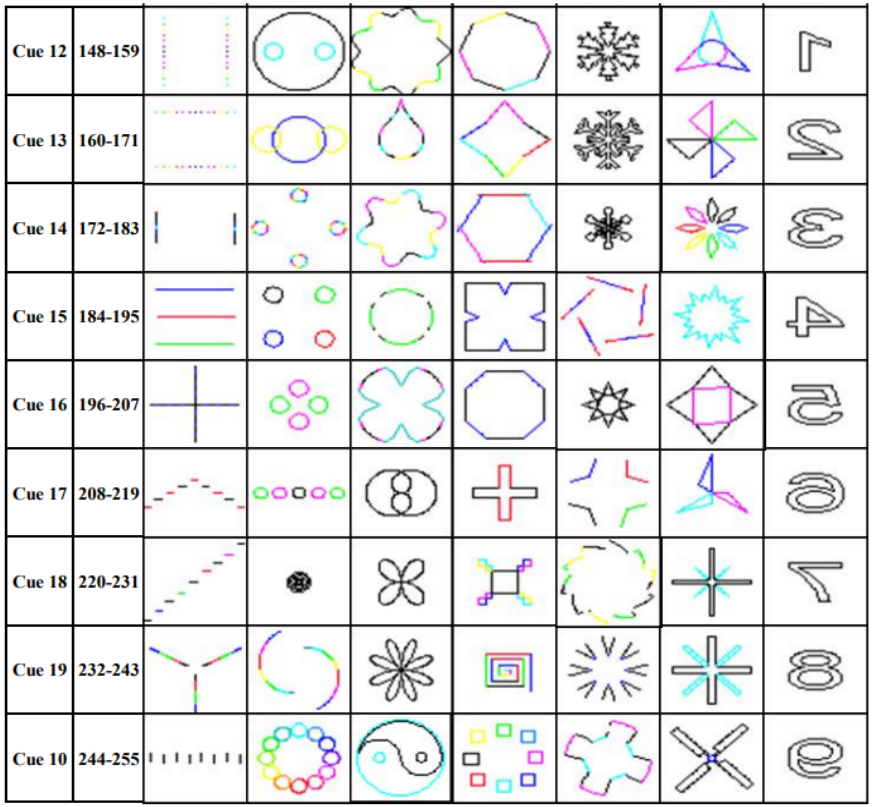
This series of products are packed in standard carton, air carton is optional, please read this manual carefully before using. Follow operating rules to avoid damage to light or bodily injury. Please handle the products carefully after receiving them, and check whether the products are damaged during transportation. Open the cover of the box, take out the relevant accessories in the box, take out the light, and place the lamp on a horizontal table to facilitate related operations. Note: Do not squeeze plastic parts to avoid breakage or distortion. Check the parts as follows:

Stage light 1pc　cable 1pc　manual 1pc

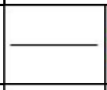
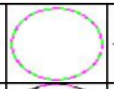
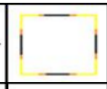
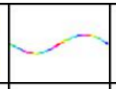
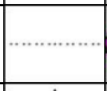
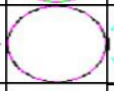
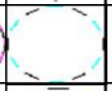
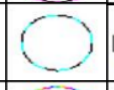
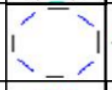
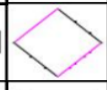
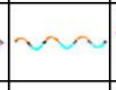
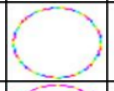
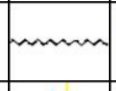
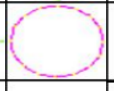
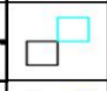
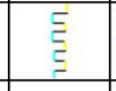
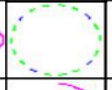
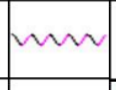
3. Installation Notes

1.When install this equipment please make sure there's no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.

2.Before installation, please confirm whether the power supply voltage you are using matches the voltage marked by the light.



9. Built in effect list

	DMX value	Page 1	Page 2	Page 3	Page 4	Page 5	Page 6	Page 7
Cue	0-15	invalid(black)						
Cue 1	16-27							
Cue 2	28-39							
Cue 3	40-51							
Cue 4	52-63							
Cue 6	64-75							
Cue 6	76-87							
Cue 7	88-99							
Cue 8	100-111							
Cue 9	112-123							
Cue 10	124-135							
Cue 11	136-147							

3.Make sure that the ventilation fan and exhaust passage are not blocked by other equipment or decorative materials, such as newspapers, tablecloths, curtains, etc.

4.The equipment should be fixedly installed. To ensure the stability of its installation point, at least a load-bearing structure that can withstand more than ten times the weight of the product.

5.For safety reasons, this machine should be connected to a main socket with a ground wire.

4. Technical Parameter

1.Power supply：AC 100~240V 50/60Hz，Rated Power：110W

2.Source color： □RGB

3.Working mode：Auto/DMX512/ master-slave/sound/ILDA

4.DMX Control Channel：5CH/17CH/18CH/27CH/52CH

5.Cool system: Intelligent fan cooling system

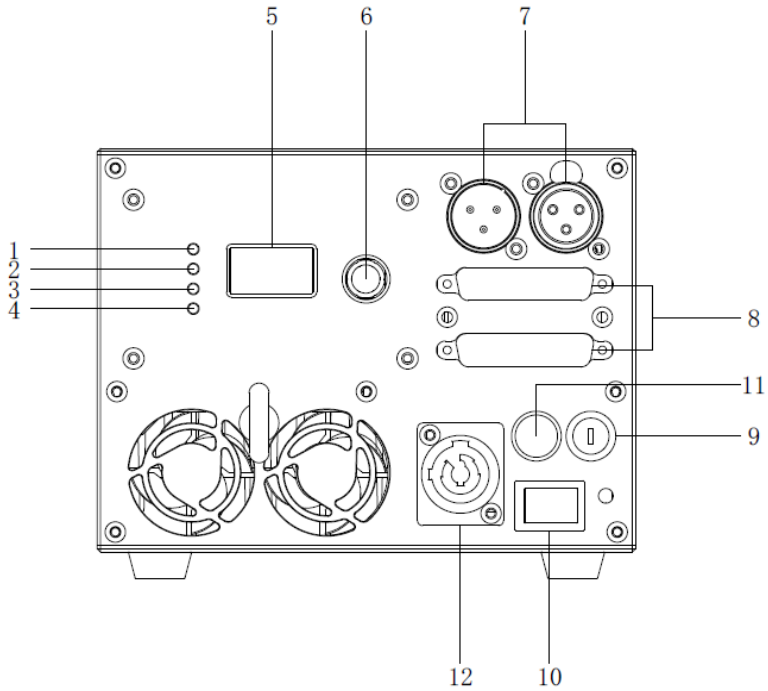
6.Working environment:：indoor

7.Working temperature： 0℃ - 35℃

8.N.W./G.W.（2 in1）： 3.6kg/9.2kg

9.2 in1 Package size：34.5*30.5*40.5cm

5. Light Control Panel



			function 6		function 7		function 8
CH25	CH50	Zoom (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro function 6	193 ~224	Macro function 7	225 ~255	Macro function 8
CH26	CH51	X Rotation (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro function 6	193 ~224	Macro function 7	225 ~255	Macro function 8
CH27	CH52	Y Rotation (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro function 6	193 ~224	Macro function 7	225 ~255	Macro function 8

		120 ~159	Macro	160 ~199	Macro	200 ~255	Macro
CH21	CH46	Write in (when value=0 Invalid)					
		1 ~42	Macro function 1	43 ~84	Macro function 2	85 ~126	Macro function 3
		127 ~255	Strobe mode (from slow to fast)				
CH22	CH47	X Macro position (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro function 6	193 ~224	Macro function 7	225 ~255	Macro function 8
CH23	CH48	Y Macro position (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro function 6	193 ~224	Macro function 7	225 ~255	Macro function 8
CH24	CH49	Rotation (when value=0 Invalid)					
		0	Invalid	1 ~32	Macro function 1	33 ~64	Macro function 2
		65 ~96	Macro function 3	97 ~128	Macro function 4	129 ~160	Macro function 5
		161 ~192	Macro	193 ~224	Macro	225 ~255	Macro

NO.	Interface name	function
1	Green indicator light	No light：Device is not powered on
		All light：Power indicator light
2	Red indicator light	No light /all light：The device system is in a crash state
		Flash：The device system is work state
3	Yellow indicator light	No light：DMX512 signal not detected
		Flash：DMX512 signal detected
4	Blue indicator light	No light：ILDA signal not detected
		All light：ILDA signal open or ILDA signal detected
		Flash：ILDA signal detected and emitting light
5		Menu display
6		Select menu function and confirm function button
7		XLRDMX-512 interface（IN/OUT）
8		DB25 ILDA interface（IN/OUT）
9		Safety key
10		Power Switch
11		fuse
12		Power in

6. Light Setting

6.1 OLED display control panel function menu setting ,as following：

Menu	Secondary Menu	
Operation Mode	DMX-512	
	Auto Mode	
	Test Mode	
	ILDA Input	
	User Mode	
DMX Config	DMX Addr 001~512	
	CH Mode 5/17/18/27/52CH	
	RDM ☒/☑	
View DMX	CH1~CH52	View channel mode The value corresponding to the selected channel mode
Auto Trigger	000~085 effect selection	000 all 001 scene 002 animation 003-085 cue
	Master/Slave ☒/☑	
	Sound ☒/☑	
Test Mode	Enable lamp ☒/☑	
	Test Pattern 1~6	
	Master Size 0~255	

CH14	CH39	0 ~255	Zoom,From 100% to 0%				
CH15	CH40	0 ~255	From left to right (X rotation)				
CH16	CH41	0 ~255	From bottom to top(Y rotation)				
CH17	CH42	Choose color					
		0 ~7	Default color		8 ~63	7 different color	
		64 ~127	Each 8 value be one effect，total 8 effect				
		128 ~143	Macro function 1		144 ~159	Macro function 2	
		160 ~175	Macro function 3		176 ~191	Macro function 4	
		192 ~207	Macro function 5		208 ~223	Macro function 6	
		224 ~239	Macro function 7		240 ~255	Macro function 8	
CH18	CH43	0 ~255	Visible point 100%-0%-0				
CH19	CH44	Pattern Deformation (with zoom channel (14) (25))					
		0 ~15	Invalid	16 ~31	Macro function 1	32 ~47	Macro function 2
		48 ~63	Macro function 3	64 ~79	Macro function 4	80 ~95	Macro function 5
		96 ~111	Macro function 6	112 ~127	Macro function 7	128 ~143	Macro function 8
		144 ~159	Macro function 9	160 ~175	Macro function 10	176 ~191	Macro function 11
		192 ~207	Macro function 12	208 ~223	Macro function 13	224 ~255	Default
CH20	CH45	Wave mode(when value=0 Invalid)					
		1 ~39	Macro	40 ~79	Macro	80 ~119	Macro

27CH/ 52CH：

Channel		Content	
27CH	52CH		27CH single cue，52CH double cue
CH1		0 ~31	Blackout(off)
		32 ~63	Manual choose cue
		64 ~95	Auto play macro function
		96 ~127	music trigger macro function
		128 ~255	Reserve
CH2		0 ~255	Brightness 0% ~ 100%
CH3	CH28	0 ~255	Red brightness 0% ~ 100%
CH4	CH29	0 ~255	Green brightness 0% ~ 100%
CH5	CH30	0 ~255	Blue brightness 0% ~ 100%
CH6	CH31	0 ~255	Each 32 value be one page,total 8 page (CH1= 32-63 is valid)
			List: when the value is O, all loop, 1-255 ,each 3 value be 1 macro function, 85 macro function total. (CH1= 64-95 is valid)
CH7	CH32	0 ~15	OFF (blackout)
		16 ~255	each 12 values be one cue, total 20 cues；
CH8	CH33	0 ~255	Position X (128 center）
CH9	CH34	0 ~255	X axis fine position
CH10	CH35	0 ~255	Position Y（128 center）
CH11	CH36	0 ~255	Y axis fine position
CH12	CH37	0 ~255	Clockwise rotation (0°-360°)
CH13	CH38	0 ~255	Fine rotation

	Light Color RGB/R/G/B	
	Invert X ☒/☑	
	Invert Y ☒/☑	
ILDA Input	Select this mode to receive external ILDA signal only (ILDA indicator light is steady - blue), other mode operating devices do not emit light.	
User Mode	Value setting (CH1-CH27 can customize the channel value of the luminaire)	Program built-in console, restore factory Settings to save data, such as clear data press Reset reset option
Master settings	Master Size 0~255	
	X Scale 000-255	
	Y Scale 000-255	
	Invert X ☒/☑	
	Invert Y ☒/☑	
	Swap XY ☒/☑	
Color settings	Color Shift RGB/I	
	Fade 000-255	
	Red 000-255	
	Green 000-255	
	Blue 000-255	
System Config	Scan Kpps 15-40K	
	Sound sense 000-100	
	Scan-safety ☒/☑	
	Factory 》	

	System Reset ☒/☑	
Device Status	X scan err OFF/ON	
	Y scan err OFF/ON	
	Hdw 5006.X.X	
	Ver A.X	
Device Info	Mode	
	Channel	
	DMX addr	
	Temp	
	SWFlash XXXX	
	SCENE XXXX	

DMX-512 mode :

Select the console mode to display the current, select DMX-512 mode after completion, press the rotary encoder button back to the menu of the upper level to select DMX Config DMX mode, enter the DMX-512 address code selection, use the rotary encoder button to select the number of channels used in the 1-512 address code according to the desired effect of DMX control. There are five channel modes: 5CH, 17CH, 18CH, 27CH, and 52CH. If you want to view the channel value after setting the channel, you can view the channel value on the menu. Console mode is slave mode at the same time. If DMX512 console signal is connected, it is console mode.

Automatic Mode :

Select Automatic Mode, and the current self-propelled mode will be

		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		
CH15	Macro Z rotation	0	invalid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3
		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		
CH16	Macro Zoom	0	invalid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3
		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		
CH17	Macro X flip	0	invalid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3
		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		
CH18	Macro Y flip	0	invalid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3
		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		

CH10	Macro color	0 ~7	default	8 ~15	white
		16 ~23	red	24 ~31	yellow
		32 ~39	green	40 ~47	cyan
		48 ~55	blue	56 ~63	purple
		64 ~127	Each 8 value be 1 effect, 8 effects		
		128 ~143	macro 1	144 ~159	macro 2
		160 ~175	macro 3	176 ~191	macro 4
		192 ~207	macro 5	208 ~223	macro 6
		224 ~239	macro 7	240 ~255	macro 8
CH11	Deformation	0 ~15	invalid		
		16~31	Each 15 value be 1 macro effect, total 13 effects,（match CH7, CH16 zoom）		
		224 ~255	default		
CH12	Macro Wave	0	invalid	1 ~39	macro 1
		40 ~79	macro 2	80 ~119	macro 3
		120 ~159	macro 4	160 ~199	macro 5
		200 ~255	macro 6		
CH13	Macro X position	0	valid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3
		97 ~128	macro 4	129 ~160	macro 5
		161 ~192	macro 6	193 ~224	macro 7
		225 ~255	macro 8		
CH14	Macro Y position	0	invalid	1 ~32	macro 1
		33 ~64	macro 2	65 ~96	macro 3

displayed on the display menu. Select Auto Mode and press the rotary encoder button to return to the previous menu after completing the mode. Select Auto effect. Using the rotary encoder button can also select 000-085 built-in effects (000 all loop play 001 scene loop play 002 animation loop play 003-085 single cue play). Select the master/slave mode (on/off) if you need to use string machines. You can also choose a voice-activated trigger to play the selection effect. Auto mode can be used as the host when the master/slave mode is enabled, and the slave machine is set to DMX-512 mode.

Test Mode:

Select the Test Mode, and the current Mode will be displayed in the menu. After selecting Test Mode, press the rotary encoder button to return to the upper menu and select Test Mode. Use Test Test is a special mode, which can only be called after entering the interface of test mode. Select the detection/startup output/overall brightness/system test diagram of the 1-6 optical outlet by rotating the encoder button, and select the test diagram to check whether there is any problem with the luminaire.

ILDA Mode:

Select ILDA Mode, the current mode will be displayed in the menu. After selecting ILDA mode, press the rotary encoder button to return to the previous menu. If the ILDA mode is enabled, only external ILDA signals are received. The device in other modes does not work, and the blue indicator is steady on.

User Mode:

Select User Mode, and the current Mode will be displayed in the menu.

Use the knob encoder to select User Mode, press the rotary encoder button to return to the upper menu, select User mode and press the knob to confirm, and use the knob encoder to select the corresponding function. Knob encoder to select 0~255 value Settings, and then knob encoder for the next function Settings, through the operation of the required numerical effect to set the lamp preservation.

Master settings:

Select Master Settings, press the knob encoder button to confirm, the current mode will be displayed on the display screen, use the knob encoder to select the overall size of the pattern; X axis size setting, set the horizontal size of the pattern; Y axis size setting, set the vertical size of the pattern; The X axis is reversed, and the horizontal direction of the pattern is set to swap; The Y axis is reversed, and the vertical directions of the patterns are reversed. The XY axis displacement pattern swaps horizontally and vertically.

Color settings:

Select the color setting, press the knob encoder to confirm, the current mode will be displayed on the display screen, use the knob encoder to select the color selection, set the pattern to full color or single green; Red light brightness, set the lamp red light brightness; Green brightness, set the luminaire green brightness; Blue light brightness, set the blue light brightness of the lamp, the overall light source brightness, set the total luminance of the lamp.

System Config:

Select System Settings and the current mode will be displayed in the menu. Use the rotary encoder button to select the function. Setting the K number of galvanometer (15K-40K) (Select the K number of galvanometer, the lower the K number, the more flashing the pattern, the different K number of the playback

18CH：

Channel	Content		
CH1	Cue mode	0 ~31	OFF（ Blackout ）
		32 ~63	Manual choose cue
		64 ~95	Auto trigger macro function
		96 ~127	Sound trigger macro function
	-	128 ~255	Reserve
CH2	dimmer	0 ~255	0%- 100%
CH3	List (CH1: 32 ~ 63)	0 ~ 255	List :each 32 value be 1 list, 8 lists total.
	Macro effect (CH1: 64 ~ 95)		List: when the value is O, all loop, 1-255 ,each 3 value be 1 macro function, 85 macro function total.
CH4	Cue	0 ~15	OFF（Blackout）
		16 ~255	Each 12 value be 1 cue, 20 cues total;
CH5	X position	0 ~255	Left- right（128 center）
CH6	Y position	0 ~255	Up - down（128 center）
CH7	Zoom	0 ~255	100% - 0%
CH8	X flip	0 ~255	Left - right
CH9	Y flip	0 ~255	Up - down

CH13	Y flip	0 ~255	Up - down		
CH14	Color	0 ~7	default	8 ~15	white
		16 ~23	red	24 ~31	yellow
		32 ~39	green	40 ~47	cyan
		48 ~55	blue	56 ~63	purple
		64 ~127	Each 8 value be 1 color effect, 8 effects total		
		128 ~143	Macro 1	144 ~159	Macro 2
		160 ~175	macro 3	176 ~191	macro 4
		192 ~207	macro 5	208 ~223	macro 6
		224 ~239	macro 7	240 ~255	macro 8
CH15	Write in	0 ~255	100%-0		
CH16	Deformation	0 ~15	Invalid		
		16~223	Each 15 value be 1 macro effect, total 13 effects,（match CH11 zoom）		
		224 ~255	default		
CH17	Wave	0	invalid	1 ~39	macro 1
		40 ~79	macro 2	80 ~119	macro 3
		120 ~159	macro 4	160 ~199	macro 5
		200 ~255	macro 6		

effect device will appear out of sync); Voice sensitivity from 0 to 100 the higher the value, the stronger the sensitivity; Galvanometer protection ON/OFF (when the working Angle of the galvanometer reaches a point, the light is closed, so as to avoid the output pattern of the light source is a point); Factory setup (for internal commissioning); Restore factory Settings and set the parameters to the original Settings (the channel mode value and DMX512 address remain unchanged).

Device Status:

Select the device status menu, and the current mode will be displayed on the display screen. Use the knob encoder to select and view: error detection of galvanometer XY axis reset (error will be reported if the X/Y galvanometer motor is stuck at a certain position, and no light will appear in any mode of the device); CPU version Hardware and software version.

Device Info:

Select device information, and the current mode will be displayed on the menu, showing the system information, the current device operating mode, the current device channel mode, the current device DMX-512 address, the case temperature - the internal temperature of the lamp, the version of the effect played by the current device, and the version of the animation effect built into the current device.

7. Light Control mode

ILDA control mode

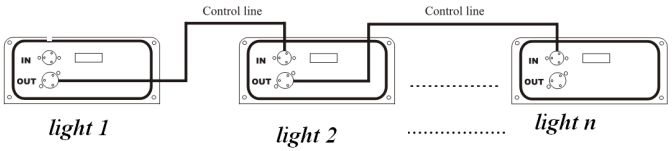
Use DB25 ILDA signal line to connect the device, the device will receive ILDA signal first, ILDA signal has the highest priority: ILDA>DMX512

DMX512 control mode

Set the DMX512 address code, the lamp will receive the standard DMX512 signal

Master —In the main menu, press the buttons to enter and select the "System Settings" menu / the host is set to ON (default is OFF), and the lamp is the host at this time.

Slave—In the main menu, press the buttons to enter and select the "System Settings" menu / the slave is set to OFF (default is OFF), press the BACK button to return to select the "DMX Address" menu. DMX address is set to 001 and the lamp is the slave.



17CH：

Channel	Content		
CH1	Cue mode	0 ~31	OFF（ Blackout ）
		32 ~63	Manual choose cue
		64 ~95	Auto trigger macro function
		96 ~127	Sound trigger macro function
	-	128 ~255	Reserve
CH2	dimmer	0 ~255	0%- 100%
CH3	red	0 ~255	0%- 100%
CH4	green	0 ~255	0%- 100%
CH5	blue	0 ~255	0%- 100%
CH6	List (CH1: 32 ~ 63)	0 ~ 255	Leach 32 value be 1 list, 8 lists total.
	Macro effect (CH1: 64 ~ 95)		List: when the value is O, all loop, 1-255 ,each 3 value be 1 macro function, 85 macro function total.
CH7	Cue	0 ~15	OFF（Blackout）
		16 ~255	Each 12 value be 1 cue, 20 cues total;
CH8	X position	0 ~255	Left- right（128 center）
CH9	Y position	0 ~255	Up - down（128 center）
CH10	Rotation	0 ~255	Clockwise rotation (0°-360°)
CH11	Zoom	0 ~255	100% - 0%
CH12	X flip	0 ~255	Left - right

8.3 DMX-512 Channel introduce：

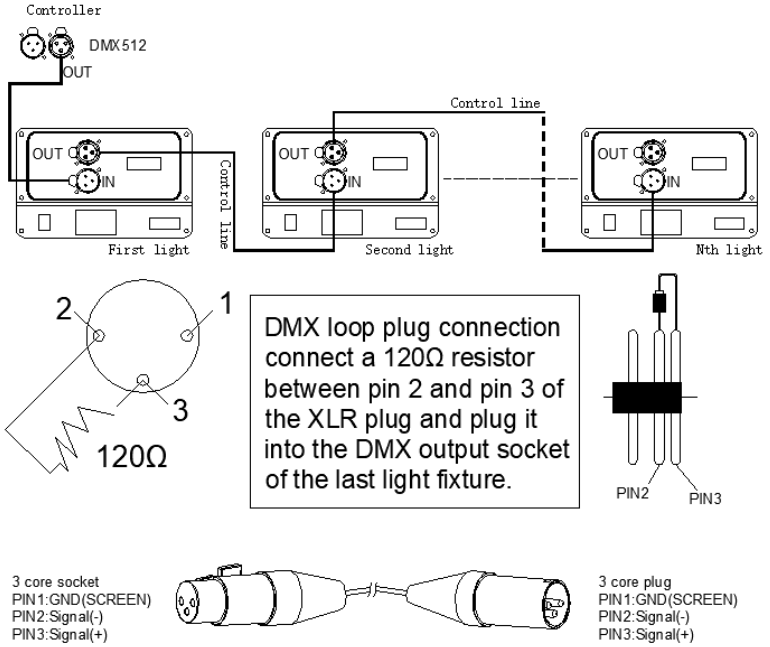
The IPLAY mode of this light has 5 modes 5/17/18/27/ 52CH (the channel mode can be selected in the system setting → channel setting).

5CH

Channel		value	Content
CH1	Cue mode	0 ~ 31	OFF (blackout)
		32 ~ 63	Manual choose cue
		64 ~ 95	Auto trigger macro function
		96 ~ 127	Sound trigger macro function
	-	128 ~ 255	Reserve
CH2	Dimmer	0 ~ 255	Brightness 0% ~ 100%
CH3	List (CH1: 32 ~ 63)	0 ~ 255	List :each 32 value be 1 list, 8 lists total.
	Macro effect (CH1: 64 ~ 95)		List: when the value is O, all loop, 1-255 ,each 3 value be 1 macro function, 85 macro function total.
CH4	cue	0 ~ 15	OFF (blackout)
		16 ~ 255	each 12 value be 1 cue, 20 cues total.
CH5	zoom	0 ~ 255	100% ~ 0%

8. DMX512 Control

8.1 DMX512 Connect



1.In order to reduce signal errors and avoid signal weakening or interference during transmission, a 120Ω resistance loop can be inserted between the 2 cores and the 3 cores of the DMX output terminal of the last machine.

2.Connect the lamp with XLR signal, one end is connected to the output port of the lamp, and the other end is connected to the input port of the next lamp. XLR signal lines can only be used in series, not in parallel. DMX512 signal transmission speed is very fast. Damage to the signal line, weak welding, poor contact, etc., will affect the signal transmission and cause the system to shut down.

3.When a unit of machine power disconnect, DMX output or input connection is bypass, in order to maintain the DMX line and connectivity.

4.Each lamp must have an address code, which can receive the information sent by the console, ranging from 1 to 512.

5.The terminal of the DMX512 system needs to be equipped with a terminator to reduce signal transmission errors.

6. The 3-pin XLR connector is more common than the 5-pin XLR:

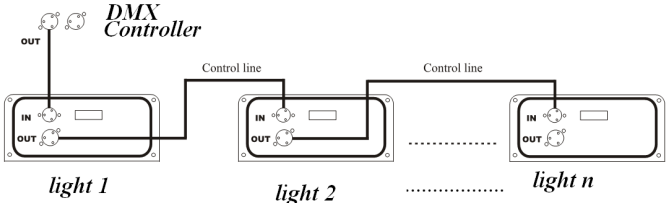
3 pin XLR：PIN1：GND，PIN2：- Signal ，PNI3：+ Signal

5 pin XLR：PIN1：GND，PIN2：- Signal，PIN3：+ Signal，PIN4/PIN5:No USE

8.2 Chanel setting:

Press down the knob to enter Menu Mode, select Operation Mode /DMX-512 DMX mode (5/17/18/27/52CH), select the channel mode you want, and press down the knob to confirm.

Connect the XLR control line from the DMX output of the controller to the DMX input of each luminance, and so on until all the luminance are connected, and then connect the loop plug to the signal output of the last luminance to complete the connection ,As following :



When using any controller, each device must have its own address code. So, if the address of the first lamp is set to 1 and the address code of the second lamp is set to 6/18/19/28/53 and the address code of the first lamp is set to 1 plus

5/17/18/27/52 channels, the third lamp is set to 11/35/37/55/105CH. And so on (this setting also needs to be determined according to different console, now only according to the general convention).

Specific dmX-512 signal control mode address code switch Settings are as follows:

Light NO.	Start Address	Display（ON）
1	1	1
2	6/18/19/28/53	006/018/019/028/053
3	11/35/37/55/105CH	011/035/037/055/105CH
⋮	⋮	⋮