



FOS ACL Line 12



This manual contains important information.
Please read before operating fixture.

1. SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

2 TECHNOLOGY REFERENCE

Power Supply: AC 100-240V/50-60Hz

Power consumption:370 W

Light source: 12pcs*30w LED RGBW 4in1 mixing color

Beam Angle: 3 degree

Dimmer: 0-100% dimmer

Strobe rate:0-20HZ

Working Environment: -20°C-40°C

IP rate: IP20

DMX Channels: 13/53 CH

Control Mode: DMX512, Master-slave,Sound,Auto

Build-in programs

Independent control of each LED

Control panel: LCD display

Product size: 101 x 215 x 105 mm

3 Board Instruction

Operate Menu

Display	Details	Sub Menu / Options
DMX Address	A001-A512	001 - 512
System Setup	Run Mode	DMX, Sound, Auto
	Fixture ID	000
	DMX Ch Mode	13 Ch or 53 Ch
	No Signal	Clean / Keep
	Language	En / Cn
	Load Default	
Check	Manual Control of each Channel	
Calibration	Balance R	
	Balance G	
	Balance B	
	Balance W	
	Mic Sense	
	Change Code	
Test	System Test	
Note	Display of the PCB firmware version	

4 DMX CHANNEL SHEET

13CH

CH	Function	DMX Value	Function
1	Tilt	0 - 255	Tilt movement
2	Tilt Fine	0 – 255	16bit tilt movement
3	Tilt Speed	0 – 255	Movement speed
4	Dimmer	0 – 255	Linear intensity
5	Strobe	0 – 3	Shutter Open
		4 – 255	Strobe from slow to fast
6	Red	0 - 255	Red intensity
7	Green	0 - 255	Green intensity
8	Blue	0 - 255	Blue intensity
9	White	0 - 255	White intensity
10	Effect 1	0 - 255	Macro group 1
11	Effect 2	0 - 255	Macro group 2
12	Effect speed	0 – 63	Static
		64 – 158	CW run speed from fast to slow
		159 – 255	CWW run speed from slow to fast
13	Reset	0 – 250	No function
		251 – 255	Reset after 3 seconds

53CH

CH	Value	DMX Value	Function
1	Tilt	0 - 255	Tilt movement
2	Tilt Fine	0 – 255	16bit tilt movement
3	Tilt Speed	0 – 255	Movement speed
4	Dimmer	0 – 255	Linear intensity

5	Strobe	0 – 3	Shutter Open
		4 – 255	Strobe from slow to fast
6	Red 1	0 – 255	Red 1 intensity
7	Green 1	0 – 255	Green 1 intensity
8	Blue 1	0 – 255	Blue 1 intensity
9	White 1	0 – 255	White 1 intensity
10	Red 2	0 – 255	Red 1 intensity
11	Green 2	0 – 255	Green 1 intensity
12	Blue 2	0 – 255	Blue 1 intensity
13	White 2	0 – 255	White 1 intensity
...
...
...
...
...
50	Red 12	0 – 255	Red 12 intensity
51	Green 12	0 – 255	Green 12 intensity
52	Blue 12	0 – 255	Blue 12 intensity
53	White 12	0 – 255	White 12 intensity

5 FIXED EQUIPMENT

Please fasten the fixture clamp before hanging. The clamp can be fastened by the little hole in the middle of the bracket, then tie with a safety belt. The loading capacity of the safety belt should be 10 times that of the weight of the fixture itself.

6 CONNECTION OF DMX-512 AND CONNECTION WITH THE LIGHT EQUIPMENT

Please connect XLR-XLR control wire with every light from the output of DMX.

XLR connection :

DMX-OUTPUT



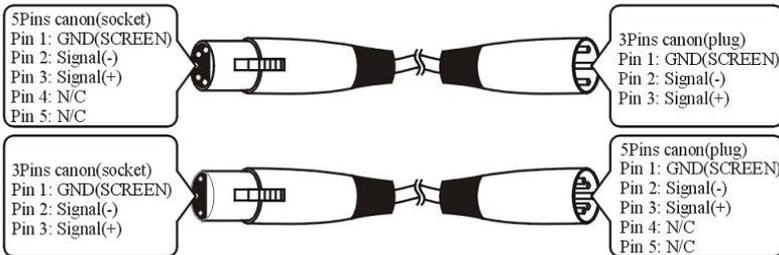
Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

DMX-INPUT



Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

ATTENTION: Please do remember to connect one circle circuit plug on the output signal of last equipment. And this circle circuit plug was connected a 120ohm resistance between terminals 2 and 3 of the CANON plug, connect this circle circuit plug can avoid the signal flash phenomena of signal DMX512 during the transmission.



7 Maintenance

Problems	Check list	Trouble Shooting
The fixture do not work	<ol style="list-style-type: none"> 1. If your power as same as the input of the machine. 2. If the fuse was broken. 	<ol style="list-style-type: none"> 1. Make sure the voltage. 2. Replace the same fuse.
LED dimmed	If your power us same as the input of the machine	Make sure the voltage input.

No DMX input	<ol style="list-style-type: none"> 1. If the polarity is opposited in the DMX controller. 2. If it is in DMX mode. 3. If there are 2 Master in a loop. 	<ol style="list-style-type: none"> 1. Correct the DMX polarity. 2. Change to the DMX mode. 3. Set one piece into Slave mode.
Par Light Set works abnormality	<ol style="list-style-type: none"> 1. Check if the serial is correct on the Par Light display 	<ol style="list-style-type: none"> 1. Set the right serial No on the single Par Light

8 AFTER SERVICE

1. Our company offer technical consultation to customers for ever.
2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
3. In addition to the lamp, also matching accessories are as follows:
accessories: Power line 1 piece **Optional parts:**
(customer's)



Warranty Card

Name	Model	Production	Purchase
------	-------	------------	----------

End User
Company Name:
Add:

Sale Store	
Link man:	Stamp
Tel:	

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1、 If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

- (1)Without the effective warranty card
- (2)There's blank, alter and no point-of-sale name
- (3)Fail caused by unresistance
- (4)Fail caused by transportation or unloading
- (5)Fail caused by not operate by manual
- (6)Fail caused by disassemble without unauthorized
- (7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.