

# Contents

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Attached 1. Wiring diagram	

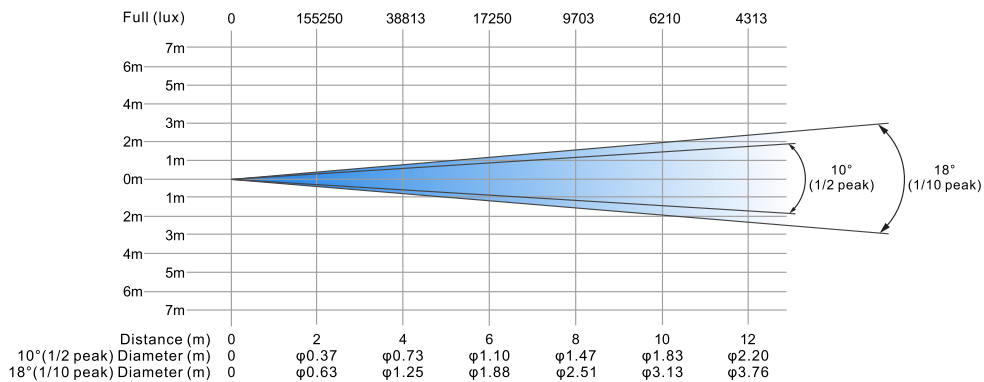
# 1/ Technical feature

Technical feature	FINE 600L SL PLUS
Lamp source	600W Cool Light(6250K±250) , LED Light(COB)
Input voltage	100-240V~
Input current	7.3A
Input power	730W
Power factor	PF≥0.98
MAX luminous flux	50000 lm
Efficiency	77.59 lm/W
Channel protocol	Stand 4
Range of activity	220°
Safety protection	Over current, over voltage and overheating protection
Control mode	DMX512
Work environment	0°C~40°C
Fixture dimension	353*412*354mm
Package dimension	920*785*620mm
Weight	Net weight: 12kg, Gross weight: 91kg(flight case)
Package	4pcs/flight case
IP rate	IP20

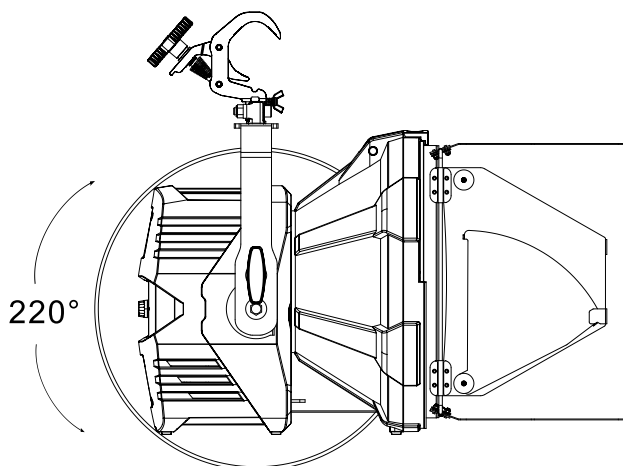
**Note:** The light source is not recommended to be replaced by the user. Ask qualified maintenance personnel to replace the light source if there is any damage or overheating deformation.

# 2/ Light output and beam angle range

## ■ Photometric diagram



## ■ Range of activity



# 3/ Control channel

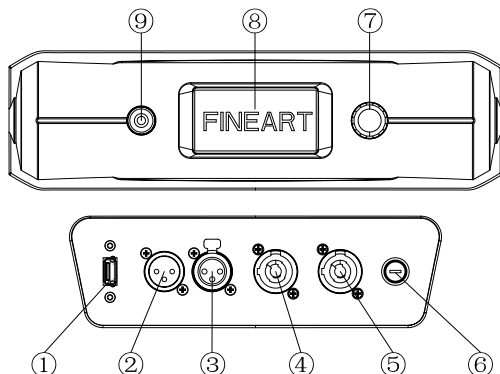
ID	English	Value	Function
1	Dimmer	0→255	Dimmer
2	Dimmer Fine	0→255	Dimmer Fine
3	Strobe	0→5 CLOSED 6→10 OPEN 11→105 Strobe (0~20Hz) 106→110 OPEN 111→179 Pulse strobe (0~10Hz) 180→185 OPEN 186→253 Random Strobe, slow→fast 254→255 OPEN	Strobe
4	Ctrl	0→251 No Function 252→254 Reset 255 No Function	Function control

# 4/ Operation chart for the display panel function

FirstLevel	SecondLevel	Option/Value	Default	Description
Address	DMX Address	1-512	1	DMX Address
Option	Channel Mode	Stand 4	Stand 4	Channel Mode
	Power Mode	Power/Stand/ Theater	Stand	It is maximum power and noise when the value is Power It is 85% power and lower noise when the value is Stand; It is 70% power and lowest noise when the value is Theater;
	Dimmer Curve	Default/Power2/ Power3	Default	
	DimmFreq	1.5K/6K/12K /24K	1.5K	Dimmer frequency
Advance	Language	CHS/ENG	CHS	Language
	BKLgtTime	30Sec/60Sec/ON	30Sec	Display Screen Background Lighting time
	Brightness	0-10	10	Reserve
	BrightWarn	ON/OFF	ON	
	BKWarn	ON/OFF	ON	Display Screen Background Lighting warning
	Config1	Load/Save	Load	User Config1 Load/Save
	Config2	Load/Save	Load	User Config2 Load/Save
	Password 1	0-999	0	
	Password 2	0-999	0	
	Password 3	0-999	0	
Password 4	0-999	0		
Manual	ChannCtrl	Channel Function Manual Ctrl		
	Reset			Reset
Information	Power Time	0-9999		
	LAMP ON TIME	0-9999		
	Fixture	FINE 600L SL PLUS		
	DispB Ver	Vxxx		Version of display board
	YUN Ver	Vxxx		Version of YUN board
	DispB Temp	xxx		Temperation of main board
	ManuID	05EF		Manufactory ID
	Device ID	05EFxxxxxx		Device ID
	ErrorInfo			Error Information
	DMX VAL			DMX Channel Values
YUN VAL			YUN board Values	

# 5/ Control panel

## 5.1 Control panel introduction



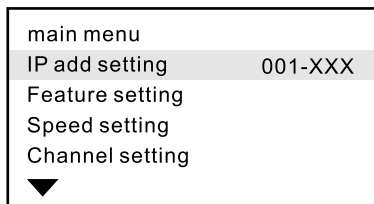
- 1.USB
- 2.DMX in
- 3.DMX out
- 4.Power in
- 5.Power out
- 6.FUSE
- 7.Enter button
- 8.LCD display
- 9.Exit button

Figure(5.1-1)

## 5.2 Control panel Operation introduction

1. Press **●** button to trigger the built-in battery(note:optional) for startup fixture and enter the main menu interface for menu operation.

### Main Menu Interface



**Note:** Indicate the selected menu items in the menu interface. If you are sure to enter this menu, please press the runner to confirm. That is to say, enter the next menu and continue editing. If this menu option is not set in the entry address, the menu can be paged by rotating the runner.

Fig.5.2-1

2. Jog wheel:

Press down the jog wheel: enter an item/save the present value. Holds for a few more second, it will return to upper menu.

Clockwise rotate: scroll down the page/increase the parameter value.

Counter clockwise rotate: scroll up the page/decrease the parameter value.

Display inverse function: with connection to the supply, press down the "Exit button" and "Jog Wheel" almost at the same time, the screen display will invert by 180°.

Press the jog wheel for 2s: return to previous menu.

Long Press the jog wheel: return to the main menu.

If there no operation in 2minutes in the menu, which means to return to the original menu.

3. LED signal indication

DMX512 signal input: The LED light is on and the dot appears on the right side of the address code.

# 6/ Routine maintenance

This fixture requires routine cleaning. The service life depends on the operating environment heavily. Please kindly contact GUANGZHOU CHAIYI LIGHT CO., LTD for more maintenance information not included in this user's manual.

**Notice:** Excessive dust, smoke fluid and particulate buildup will degrade performance and cause over heating or damage to the fixture that is not covered by the warranty.

**Warning:** Please unplug the fixture before you open any covers.

## **Cleaning**

Optical components should be cleaned carefully and lightly. Coating face is easily damaged, do not use harmful solvent so as to avoid damage to plastic parts or coating parts.

### **Cleaning optical components**

1. Switch off the fixture and keep it cool completely, then open the cover.
2. Clean the floats by dust collector or compressed.
3. Use cotton paper without smell or cotton cloth soaked with the water, distilled water to wipe the granular thing, don't wipe the surface, float things should be blown away by the pressure gas.
4. Use the cotton cloth or cotton paper without smell soaked with isopropyl alcohol to remove the smoke and other residues. A commercial glass cleaner may be used, but residues must be removed with distilled water. Clean with a slow circular motion from center to edge. Dry with a clean, soft and lint-free cloth or compressed air.

### **Cleaning fan and air vents**

Remove dust from the fans and air vents with a soft brush, cotton paper, vacuum, or compressed air.

# 7/ Safety information

The following symbols are used to identify important safety information on the product and in this manual:



**DANGER!**  
Safety hazard.  
Risk of severe injury or death.



**DANGER!**  
Refer to manual before installing, powering or servicing.



**DANGER!**  
Hazardous voltage. Risk of severe or lethal electric shock.



**Warning!**  
Fire hazard.



**Warning!**  
Burn hazard. Hot surface. Do not touch.



**Warning!**  
Risk of eye injury. Safety glasses must be worn.



**Warning!**  
Do not stare at the bulb which is still on.



**Warning!**  
Risk of hand injury. Safety gloves must be worn.



Replace any cracked protective shield.



Minimum distance from lighted objects is 0.7m.



For indoor use only.



Do not direct lens to sun ray or strong light!



Do not actuate during operating.



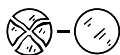
Luminaires not suitable for direct mounting on normally flammable surfaces (suitable only for mounting on non-combustible surfaces)

$t_c \dots \text{°C}$

The surface's temperature is 60°C.

$t_a \dots \text{C}$

Rated maximum ambient temperature is 40°C.



## Protection against explosion

Protection screen must be replaced if they have become visible damaged to such an extent that their effectiveness is impaired.



## Protection against burning or fire

Keep flammable materials far away from the fixture. Minimum distance from the flammable materials is 0.5m.



# 8/ Product Connection

## 8.1 Included items

FINE 600L SL PLUS is packed with flight case. One single standard flight case carries 4 fixtures, Included items listed below (shown as table 8.1-1):

Accessories	QTY	UNIT
Power cable	1	PCS
Signal cable	1	PCS
Safety wire	1	PCS
Fuse	1	PCS
Warranty card	1	PCS
User manual&Certificate	1	PCS

Table(8.1-1)

## 8.2 Power Connection

Power supply and fuses' type and rating:

Power	Fuse
100-240V~	10A 5X20

Table(8.2-1)

**Notice:** Type X attachment for power supply connection. Method of attachment of the cable or cord such that any replacement can only be made by the manufacturer, his service agent or similarly qualified person.

The person must have the relevant qualification to connect the power supply. The AC power voltage shall be suitable to the lamp provided with over-loading or creepage protection.

1. Connecting the equipment to the power supply, do not connect to silicon box system, or else, it will destroy the equipment.

The fixture is provided with standard 3-pin socket. Please according to table 8.2-2 connect to power supply, Yellow/green line must be earthed. If you still have any question to the installation, please consultant with the experienced electrician.

Color	Wire	Mark
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⊕

Table(8.2-2)

**Notice:** One power cable can only connect up to 2 fixture in series (including the first one)

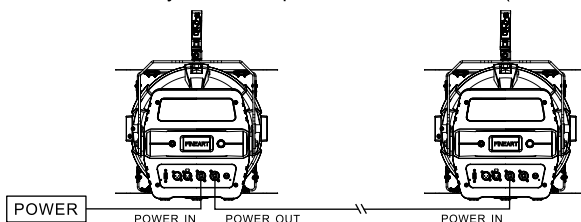


Fig.(8.2-3)

### 8.3 Signal Connection

Data linkage for the fixture may be provided by DMX512 connection and wireless linkage.

#### DMX connection

**Note:** The signal cable was type X connection.

Type X connection—if the external flexible cable or cord of this fixture is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

3-pin or 5-pin XLR connectors are provided for fixture DMX input and output. Pin 1 is for earthing, pin 2 is for minus signals, and pin 3 is for plus signals. To prevent and absorb the reflection and interference of the signals, each data link must be ended by a respective terminator.

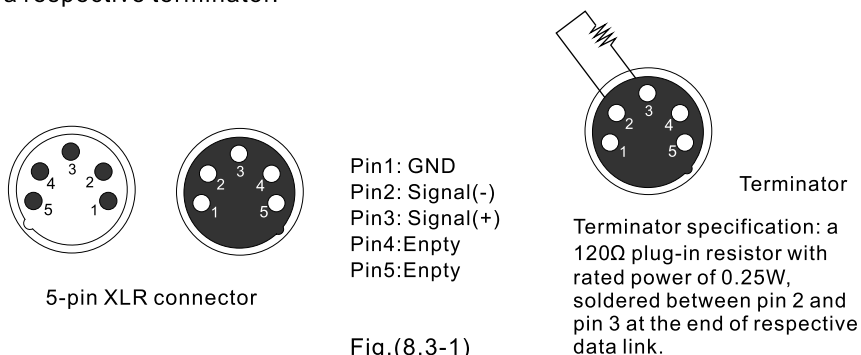


Fig.(8.3-1)

Connect the fixtures with Max.128 pieces. Make sure to insert the “signal in” terminal in the last connecting fixture. shown in Figure8.3-2.

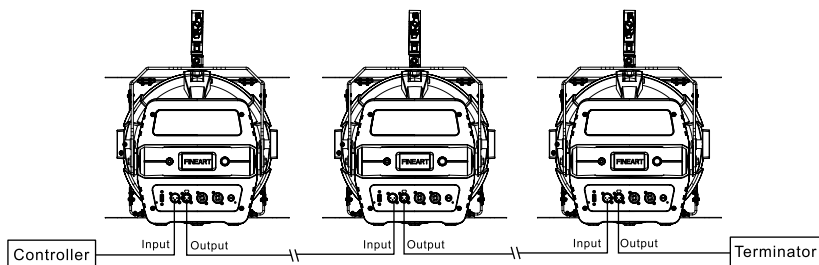


Fig.(8.3-2)

If long-distance data transfer occurs, a DMX512 signal amplifier is necessary. The added amplifier is inserted between the lighting controller and the first fixture on the basis of a normal data link.



#### Notice!

1. No more than one signal input or output can occur in one fixture.
2. Don't split a data link via output ports on the fixture, use a DMX512 signal amplifier instead, if necessary.
3. Use only shielded-pair cables, and standard microphone cable is not reliable for long-distance data transfer.