Contents

P/N: 390395000262 Version: A

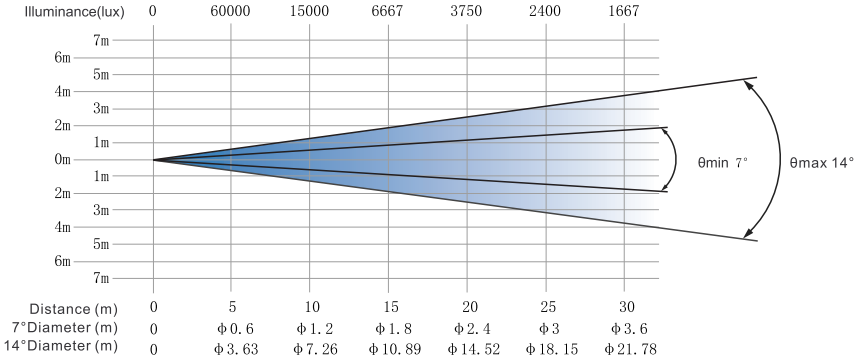
1/ Technical feature

Technical feature	FINE 1700L WASH PERF
Light source	1500W(customize)
Input voltage	100-240V~ 50/60Hz
Input current	17A
Input power	1700W
Power factor	PF⩾0. 98
Beam angle	7°~70°
CRI	Ra≥90
Initial luminous flux	47848lm
Color temperature	6200K
Color system	CMY infinity color mixing+CTO color temperature linear adjustment+2 color filters(12 color filters+white light)
cutting system	1 set of full directional framing system, support ±90°rotation
Effect equipment	Electronic strobe+Electronic iris
Pan	Pan 540°, precision 2.11°/step, pan fine 0.008°
Tilt	Tilt 270 °, precision 1.05°/step, tilt fine 0. 004°
Safety protection	Over current, over voltage and overheating protection
Control mode	DMX512/WDMX(optional)/ANET/ADMX/sACN
Work environment	0℃~40℃
Fixture dimension	448x430x813.5mm
Packing dimension	671x549x828.5mm
Weight	Net weight: 41kg, Gross weight: 77kg
Packing	1PCS/filght case
IP rade	IP20

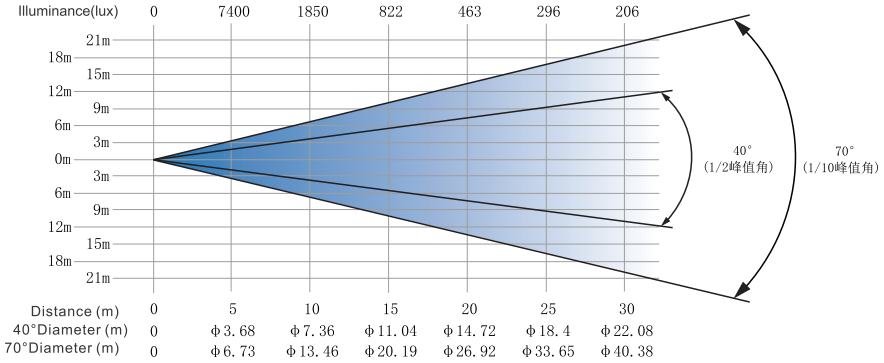
Note: The lamp light source is a non-user replacement light source.
In case of damage or thermal deformation, please replace!

2/ Light output and beam angle range

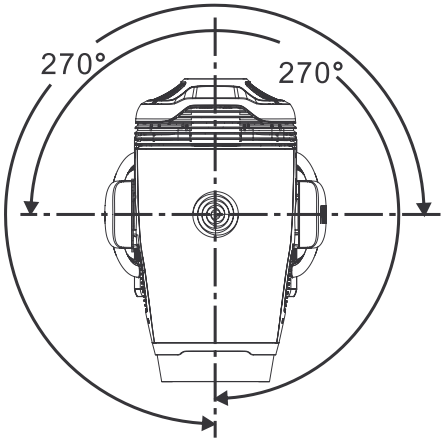
FINE 1700L WASH PERF Photometric diagram



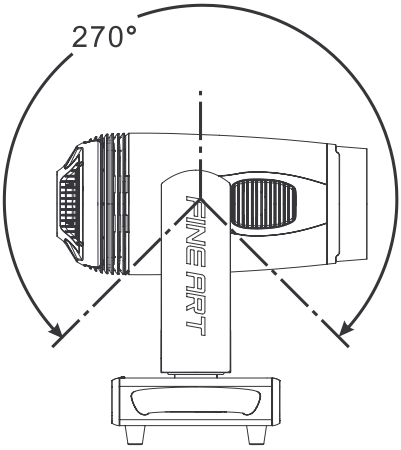
FINE 1700L WASH PERF Photometric diagram



■Pan/tilt scan



[Pan]



[Tilt]

3/ 灯具控制通道表

3.1 通道简表

Channel	STND	16BT	EXTN
1	Strobe	Strobe	Strobe
2	Dimmer	Dimmer	Dimmer
3	Dimmer Fine	Dimmer Fine	Dimmer Fine
4	Pan	Pan	Pan
5	Pan Fine	Pan Fine	Pan Fine
6	Tilt	Tilt	Tilt
7	Tilt Fine	Tilt Fine	Tilt Fine
8	Cyan	Cyan	Cyan
9	Magenta	Magenta	Magenta
10	Yellow	Yellow	Yellow
11	CTO	CTO	CTO
12	Color1	Color1	Color1
13	Color2	Color2	Color2
14	Focus	Focus	Focus
15	Zoom	Focus Fine	Focus Fine
16	Frame1 Position	Zoom	Zoom
17	Frame1 Angle	Zoom Fine	Zoom Fine
18	Frame2 Position	Frame1 Position	Frame1 Position
19	Frame2 Angle	Frame1 Angle	Frame1 Angle
20	Frame3 Position	Frame2 Position	Frame2 Position
21	Frame3 Angle	Frame2 Angle	Frame2 Angle
22	Frame4 Position	Frame3 Position	Frame3 Position
23	Frame4 Angle	Frame3 Angle	Frame3 Angle
24	Frame Rotation	Frame4 Position	Frame4 Position
25	Fixture Control	Frame4 Angle	Frame4 Angle

26		Frame Rotation	Frame Rotation
27		Frame Macro	Frame Macro
28		CRI/R9	CRI/R9
29		Fixture Control	Fixture Control
30			Pan-tilt Time
31			Color Time
32			Beam Time
33			Gobo Time

3.2 DMX通道

Specific	STND	16BT	EXTN	Value	Function
Strobe	1	1	1	000~005	Closed
				006~010	Open
				011~105	Strobe at linearly variable frequency from slow to fast(0~20Hz)
				106~110	Open
				111~179	Thunder Strobe from slow to fast
				180~185	Open
				186~253	Random Strobe
				254~255	Open
Dimmer	2	2	2	000~255	0%->100%
Dimmer Fine	3	3	3	000~255	0%->100%
Pan	4	4	4	000~255	Movement positioning from 0° to 540°
Pan Fine	5	5	5		
Tilt	6	6	6	000~255	Movement positioning from 0° to 252°
Tilt Fine	7	7	7		
Cyan	8	8	8	000~255	0%->100% Linear Cyan movement
Magenta	9	9	9	000~255	0%->100% Linear Magenta movement
Yellow	10	10	10	000~255	0%->100% Linear Yellow movement
CTO	11	11	11	000~255	0%->100%
Color	12	12	12		Linear Movement
				000~119	From Open to (6th Color+Open) Linearity Movement
				18	Color1 (Red)
				35	Color2 (Green)
				54	Color3 (Blue)
				70	Color4 (Orange)
				86	Color5 (Pink)
				104	Color6 (Deep Green)
				120~120	Open
					Full Color
				121~126	Color1 (Red)
				127~132	Color2 (Green)
				133~138	Color3 (Blue)
				139~144	Color4 (Orange)
				145~150	Color5 (Pink)
				151~156	Color6 (Deep Green)
				157~160	Open
					Continuous Rotation
				161~200	Continuous color wheel clockwise rotation from fast to slow (46.7rpm->3.67rpm)
				201~203	Stop
				204~243	Continuous color wheel counter-clockwise rotation from slow to fast 3.67rpm->46.7rpm)

Color	12	12	12		random full color
				244~247	Fast
				248~251	Medium
				252~255	Slow
Color	13	13	13		Linear Movement
				000~119	Movement
				18	Color1 (Red)
				35	Color2 (Green)
				54	Color3 (Blue)
				70	Color4 (Orange)
				86	Color5 (Pink)
				104	Color6 (Deep Green)
				120~120	Open
					Full Color
				121~126	Color1 (Red)
				127~132	Color2 (Green)
				133~138	Color3 (Blue)
				139~144	Color4 (Orange)
				145~150	Color5 (Pink)
				151~156	Color6 (Deep Green)
				157~160	Open
					Continuous Rotation
				161~200	Continuous color wheel clockwise rotation from fast to slow (46.7rpm->3.67rpm)
				201~203	Stop
				204~243	Continuous color wheel counter-clockwise rotation from slow to fast 3.67rpm->46.7rpm)
					random full color
				244~247	Fast
				248~251	Medium
				252~255	Slow
Focus	14	14	14	000~255	Infinity -> Near
Focus Fine	-	15	15		
Zoom	15	16	16	000~255	Narrow beam -> Wide beam
Zoom Fine	-	17	17		
Frame1 Position	16	18	18	000~255	Out -> In
Frame1 Angle	17	19	19	000~255	Angle- --> Parallel --> Angle+
Frame2 Position	18	20	20	000~255	Out -> In
Frame2 Angle	19	21	21	000~255	Angle- --> Parallel --> Angle+
Frame3 Position	20	22	22	000~255	Out -> In
Frame3 Angle	21	23	23	000~255	Angle- --> Parallel --> Angle+
Frame4 Position	22	24	24	000~255	Out -> In
Frame4 Angle	23	25	25	000~255	Angle- --> Parallel --> Angle+
Frame Rotation	24	26	26	000~255	From 0° -> 180° rotation

Frame Macro	-	17	27	000~009	None
				010~019	Square
				020~029	Rectangle
				030~039	Triangle
				040~049	Rhombus
				050~059	Trapezium
				060~255	Reserved
CRI/R9	-	28	28	000~005	None
				006~010	CRI Inserted\R9-70
				011~015	CRI Inserted\R9-80
				016~020	CRI Inserted\R9-90
				021~255	Reserved
Fixture Control	25	29	29	000~009	None
				010~014	Entire Fixture Reset, staying in this range for 5 seconds.
				015~029	Effects Reset, staying in this range for 5 seconds.
				030~034	seconds.
				035~049	Reserved
				050~054	Led Module Out Frequency 1.2KHz --3s
				055~059	Led Module Out Frequency 2.4KHz --3s
				060~064	Led Module Out Frequency 12KHz --3s
				065~069	Led Module Out Frequency 24KHz --3s
				070~074	S-curve Dimmer curve --3s
				075~079	Square Law Dimming curve --3s
				080~084	Inverse Square Law Dimming curve --3s
				085~089	Linear Dimming Cuve --3s
				090~094	Reserved
				095~099	Color Rendering Filter Excluded --3s
				100~104	Color Rendering Filter Inserted --3s
				105~124	Reserved
				125~129	High light Mode (LED Out Power) --3s
				130~134	setting) --3s
				135~139	Theater Mode (LED Out Power) --3s
				140~144	CMY liner (-- default setting) --3s
				145~149	CMY parabola --3s
				150~159	CCI Enable
				160~169	CCI Disable
				170~255	Reserved
Pan-tilt Time	-		30	000~254	Slope Time from Fast to Slow
				255~255	Follow Cue Data
Color Time	-		31	000~254	Slope Time from Fast to Slow
				255~255	Follow Cue Data
Beam Time	-		32	000~254	Slope Time from Fast to Slow
				255~255	Follow Cue Data
Gobo Time	-		33	000~254	Slope Time from Fast to Slow
				255~255	Follow Cue Data

4/ 显示面板功能操作详细表

MENU1	MENU2	MENU3	MENU4	(DEFAULT)
DMX Addr	001-XXX			001-017
Options	Pan Invert	On/Off		Off
	Tilt Invert	On/Off		Off
	Pan/Tilt Swap	On/Off		Off
	DMX Mode	Stnd/16 b/Extn		16 b
	Lum Calibrate	0-100		100
	CCI Calibrate	0-100		0
	Dim Control	On/Off		Off
	Short Path	On/Off		On
	CMY Invert	On/Off		Off
	Dimming Freq	1K2h/2K4h/12Kh/24Kh		1K2h
	Dimming Curve	Opti/VRMS/Squa/InvS		Squa
	Frame Mode	On/Off		Off
	Fan Control	Bost/Norm/Sile		Norm
	Exit			
Speed Settings	P/T Speed	High/Fast/Norm/Slow		Fast
	P/T Smooth	000-007		000
	G/C Speed	Fast/Norm		Fast
	Exit			
Manual Control	Strobe	000-xxx		000
	Dimmer	000-xxx		000
	Dimmer fine	000-xxx		000
	Pan	000-xxx		000
	Pan fine	000-xxx		000
	Tilt	000-xxx		000
	Tilt fine	000-xxx		000
	Cyan	000-xxx		000
	Magenta	000-xxx		000
	Yellow	000-xxx		000
	CTO	000-xxx		000
	Colour W1	000-xxx		000
	Colour W2	000-xxx		000
	Focus	000-xxx		000
	Zoom	000-xxx		000
	Blade1Pos	000-xxx		000
	Blade1Ang	000-xxx		000
	Blade2Pos	000-xxx		000
	Blade2Ang	000-xxx		000
	Blade3Pos	000-xxx		000
	Blade3Ang	000-xxx		000
	Blade4Pos	000-xxx		000
	Blade4Ang	000-xxx		000
	FrameRotat	000-xxx		000
	Fixture control	000-xxx		000
	Exit			

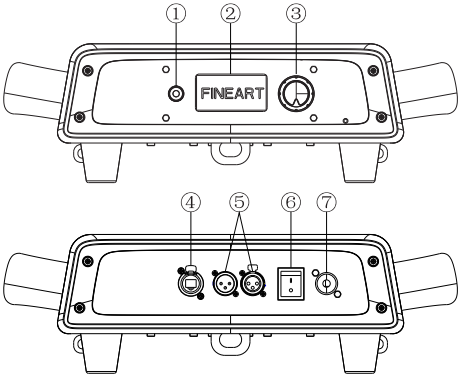
Calibration	Pan	0000-XXX0		0000
	Tilt	0000-XXX0		0000
	Cyan	0000-XXX0		0000
	Magenta	0000-XXX0		0000
	Yellow	0000-XXX0		0000
	CTO	0000-XXX0		0000
	Colour W1	0000-XXX0		0000
	Colour W2	0000-XXX0		0000
	Zoom	0000-XXX0		0000
	Focus	0000-XXX0		0000
	FrameRotat	0000-XXX0		0000
	BladeUp1	0000-XXX0		0000
	BladeUp2	0000-XXX0		0000
	BladeDw1	0000-XXX0		0000
	BladeDw2	0000-XXX0		0000
	BladeLf1	0000-XXX0		0000
	BladeLf2	0000-XXX0		0000
	BladeRg1	0000-XXX0		0000
	BladeRg2	0000-XXX0		0000
	Exit	0000-XXX0		0000
DMX Values	Channel - 01	000-xxx		000
	Channel - 02	000-xxx		000
	Channel - 03	000-xxx		000
	Channel - 04	000-xxx		000
	Channel - 05	000-xxx		000
	Channel - 06	000-xxx		000
	Channel - 07	000-xxx		000
	Channel - 08	000-xxx		000
	Channel - 09	000-xxx		000
	Channel - 10	000-xxx		000
	Channel - 11	000-xxx		000
	Channel - 12	000-xxx		000
	Channel - 13	000-xxx		000
	Channel - 14	000-xxx		000
	Channel - 15	000-xxx		000
	Channel - 16	000-xxx		000
	Channel - 17	000-xxx		000
	Channel - 18	000-xxx		000
	Channel - 19	000-xxx		000
	Channel - 20	000-xxx		000
	Channel - 21	000-xxx		000
	Channel - 22	000-xxx		000
	Channel - 23	000-xxx		000
	Channel - 24	000-xxx		000
	Channel - 25	000-xxx		000

	Channel - 26	000-xxx		000
	Channel - 27	000-xxx		000
	Channel - 28	000-xxx		000
	Channel - 29	000-xxx		000
	Channel - 30	000-xxx		000
	Channel - 31	000-xxx		000
	Channel - 32	000-xxx		000
	Channel - 33	000-xxx		000
	Channel - 34	000-xxx		000
	Channel - 35	000-xxx		000
	Channel - 36	000-xxx		000
	Channel - 37	000-xxx		000
	Channel - 38	000-xxx		000
	Channel - 39	000-xxx		000
	Channel - 40	000-xxx		000
	Channel - 41	000-xxx		000
	Channel - 42	000-xxx		000
	Channel - 43	000-xxx		000
	Channel - 44	000-xxx		000
	Channel - 45	000-xxx		000
	Channel - 46	000-xxx		000
	Channel - 47	000-xxx		000
	Channel - 48	000-xxx		000
	Return	000-xxx		000
Password	Code--01	000-xxx		000
	Code--02	000-xxx		000
	Code--03	000-xxx		000
	Code--04	000-xxx		000
	Code--05	000-xxx		000
	Code--06	000-xxx		000
	Code--07	000-xxx		000
	Code--08	000-xxx		000
	Code--09	000-xxx		000
	Code--10	000-xxx		000
	Code--11	000-xxx		000
	Code--12	000-xxx		000
	Code--13	000-xxx		000
	Code--14	000-xxx		000
	Code--15	000-xxx		000
	Code--16	000-xxx		000
	Return			
Personality	Display	Keep/60s		60s
	Display Int	10-100		100
	Display Inv	On/Off		Off
	Language	Chin/Eng		Eng
	Receive Mode	DMX/WDMX/ANET/ADMX/sACN		DMX
	Universe	000-255		000
	IP Address A	002		002

	IP Address B	168		168
	IP Address C	000		000
	IP Address D	002		002
	Load Config1	Save		Save
	Load Config2	Save		Save
	Factory Set	Save		Save
	Firmware Upd	On/Off		Off
	WDMX Unlink	On/Off		Off
	Fixture Type	F17WF		F17WF
	Sleep Mode	On/Off		Off
	Error Disp	On/Off		Off
	Error Code	00		00
	sACN-Uni	001		001
	Exit			
Information	Fixture Hours	xxxx		0000
	Lamp Hours	xxxx		0000
	Dim Hours	xxxx		0000
	Manu ID	05EF		05EF
	Device ID	62908262		XXXXXXXX
	Panel Ver	Vx.xx (Display panel)		Vx.xx
	Panel Temp	xxx(Panel) xxx(reserve)		xxx xxx
	Panel Fan	xxxx xxxx		xxxx xxxx
	0:XY Ver	Vx.xx(XY board)		Vx.xx
	0:XY Temp	xxx(XY board) xxx(NTC)		xxx xxx
	0:XY Fan	xxxx xxxx		xxxx xxxx
	1:SP Ver	Vx.xx (CMY plate)		Vx.xx
	1:SP Temp	xxx (CMY plate) xxx(reserve)		xxx xxx
	1:SP Fan	xxxx xxxx		xxxx xxxx
	2:SP Ver	Vx.xx (Focusing plate)		Vx.xx
	2:SP Temp	xxx(Focusing plate) xxx(reserve)		xxx xxx
	2:SP Fan	xxxx xxxx		xxxx xxxx
	3:SP Ver	Vx.xx(Cutting board)		Vx.xx
	3:SP Temp	xxx(Cutting board) xxx(reserve)		xxx xxx
	3:SP Fan	xxxx xxxx		xxxx xxxx
	Exit			
Sensor Monitor	Pan	Norm/Eror		Norm
	Tilt	Norm/Eror		Norm
	Cyan	Norm/Eror		Norm
	Magenta	Norm/Eror		Norm
	Yellow	Norm/Eror		Norm
	CTO	Norm/Eror		Norm
	Colour W1	Norm/Eror		Norm
	Colour W2	Norm/Eror		Norm
	Zoom	Norm/Eror		Norm
	Focus	Norm/Eror		Norm
	Exit			
Reset	Canc/Exec			Canc
Test Sequence	Stop/PT/Efct/All			Stop
Exit				

5/ Control panel

5.1 Control panel introduction



1.Exit
2.LCD display
3.Function button(Enter)
4.Ethernet interface
5.DMX interface
6.Mains switch
7.Power in

Figure(5.1-1)

5.2 Control panel operation introduction

1. Mains switch: It's power off when turning the mains switch to "O". And it's power on when turning the mains switch to "I".
2. 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

main menu	
IP add setting	001-XXX
Feature setting	
Speed setting	
Channel setting	
▼	

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

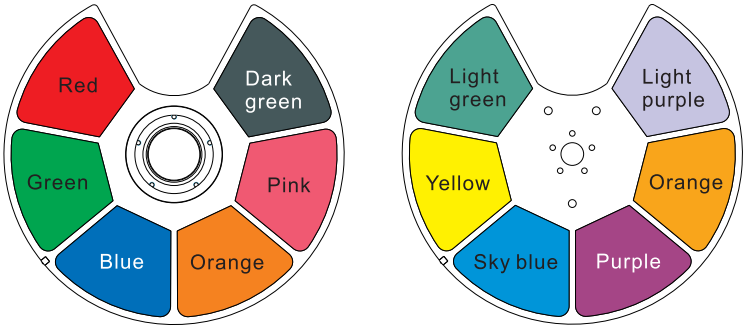
3. Jog wheel:
   Press down the jog wheel: enter an item/save the present value. Holds for a few more second, it will return to upper menu.
   Clockwise rotate: scroll down the page/increase the parameter value.
   Counter clockwise rotate: scroll up the page/decrease the parameter value.
   Display 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.
4. LED signal indication:
   DMX512 signal input: long light indication, the address value will express the round spot on the right.
   Ethernet signal input: light flash, the address value will express the round spot on the right.

6/ Function description

6.1 Color System

Color filter

The color filter is composed of 12 fixed colors(Fig.6.1-1)



Color filter
(Fig6. 1-1)

Tips: The coating side should be faced with the lamp if installing the color filters.

6.2 CMY color mixing

With Subtractive Color Mixture, using Cyan, Magenta and Yellow color filters, our color mixing system achieve CMY most smoothly color transition and extreme reducibility.

6.3 Cutting system

With synchronous gear wheel, the whole wheel is available for 180° rotation movement meanwhile the light spot can be cut into kinds of shapes when the blades move in & move out interlacement controlled by designed cutting system. As shown in (Fig.6.3-1) and (Fig.6.3-2)

Linear shape fig.(6.3-1)

Blading fig.(6.3-2)

7/ 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.

8/ 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 wore.

Replace any cracked protective shield.

Minimum distance from lighted objects is 2.6m.

For indoor use only.

Do not direct lens to sun ray or strong light!

Do not actuate during operating.

Luminaries not suitable for direct mounting on normally flammable surfaces (suitable only for mounting on non-combusible surfaces)

The surface's temperature is 80℃.

Rated maximum ambient temperature is 40℃.

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.

9/ Product connection

9.1 Package parts

FINE 1700L WASH PERF is packed with flight case. One single standard flight case carries one fixtures. The parts listed below (Shown as table 9.1-1) .

Accessories	QTY	UNIT
User manual	1	PCS
Warranty card	1	PCS
Suspension fasteners	2	SET
Signal cable	1	PCS
Safety wire	1	PCS
Fuse	2	PCS

Table(9.1-1)

9.2 Power Connection

Notice: Type Y 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 (9.2-1) 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.
2. When power is supplied, put the base switch to the position “I”.

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

Table(9.2-1)

9.3 Signal Connection

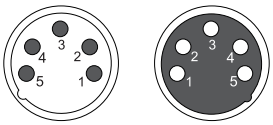
Date linkage for the fixture may be provided by DMX512 connection, Ethernet connection, Ethernet/DMX512 connection and wireless linkage.

DMX connection

Note: The signal cable was type X connection.

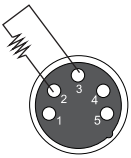
Type X connection—if the external flexible cable or cord of this fixture is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

3-pin or 5pin XLR connecters are provided for fixture DMX input and output.Pin1 is for earthing, pin2 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.



5-pin XLR connector

Pin1: GND
Pin2: Signal(-)
Pin3: Signal(+)
Pin4/5:empty



Terminator

Terminator specification: a 120Ω plug-in resistor with rated power of 0.25W, soldered between pin 2 and pin 3 at the end of respective data link.

Fig.(9.3-1)

Connect the fixtures with Max.11 pieces. Make sure to insert the “signal in” terminal in the last connecting fixture. shown in Fig.(9.3-2).

Note: Make sure the fixture vertically upwards when it is placed horizontally, the safe distance between two adjacent fixtures must be≥720mm.

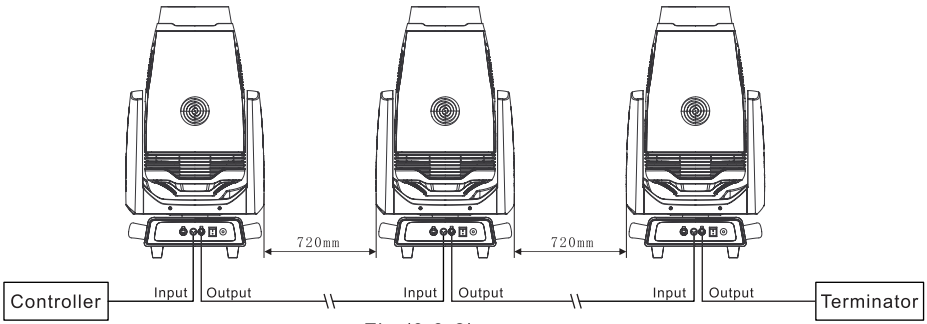


Fig.(9.3-2)

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.

Ethernet connection

1. The data communication is provided with ART-NET protocol, thus the controlling utilities used in the lighting controller or PC must support such protocol. The maximum transferring speed can reach 10Mb/s.
2. The fixture is provided with 8-pin RJ-45 connector for internet input. Please use class 5 cables and standard RJ-45 connector for internet connection, Shown as Fig.(9.3-3).

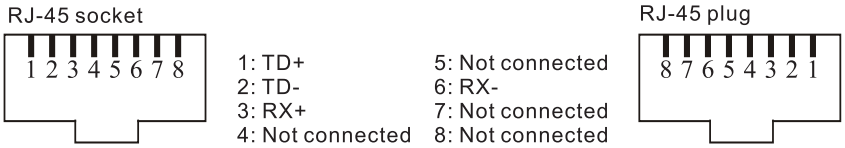


Fig.(9.3-3)

3. Ethernet setting

(a) Ethernet receiving mode setup:
"Personality"→"Receive Mode"→"ENET"
(b) IP address setup:
"Personality"→"IP Address A"→"002, 010"
→"IP Address B"→"xxx (000-255)"
→"IP Address C"→"xxx (000-255)"
→"IP Address D"→"xxx (000-255)"
Type A IP address is configured as default addresses.
(c) Ethernet node (universe) setup:
"Personality"→"Universe"→"xxx(000 - 255)"

4. Ethernet connection layout, shown as Fig.(9.3-4).

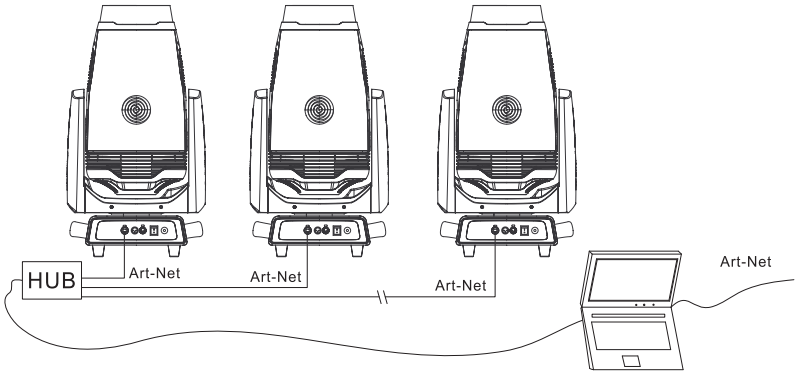


Fig.(9.3-4)

Notice: If a fixture directly connected to a PC without using a hub or a LAN, the wiring should be crossed connection.

Ethernet/DMX512 connection

The first fixture in the serial link, which is directly connected to the Ethernet network, should be such that the “fixture receiving mode” is set as “ENET→DMX”, The rest fixtures in the link should be set as “DMX” receiving mode. Then connect the output of the said first fixture to the input of a next fixture. Similarly, repeat the above connection till the DMX data link is completed. Shown as Fig.(9.3-5).

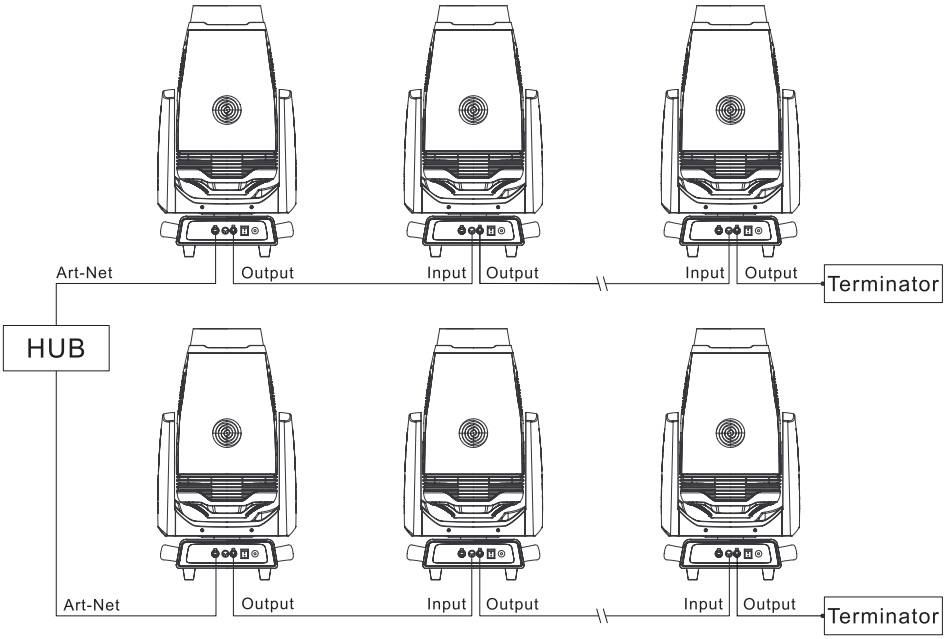


Fig.(9.3-5)

Notice: Apply a plug-in terminator to end the DMX data link.

Wireless transmission (optional)

1. Customer might choose wireless edition fixture which supports wireless data transmission. Wireless signal control is pretty reliable within a 225m radius empty space, thus no need for physical connection for data transmission. All has to be done is to set up corresponding addresses.
2. 2.4GHz worldwide free frequency band available in wireless control. Such huge frequency band favors users with variable band options.
   (a) Wireless receiving mode setup:
   "Personality"→"Receive Mode"→"WDMX"
   (b) Press emitter button to search preset address within a fixture. When it's done, remotely control a fixture through a controller, Shown as Fig.(9.3-6).

Notice:

1. Emitter location: Distribute the antenna higher than any barrier on floor as possible.
2. Antenna direction: Emitting antenna points to receiving antenna.
3. Antenna position: Keep away from EMI source as possible, such as WLAN antenna.

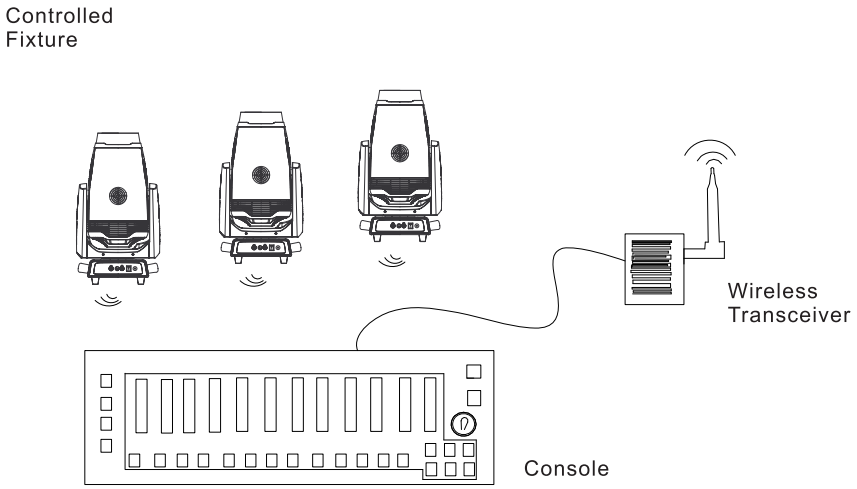


Fig.9.3-6