

PLANET

PR-8128

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully before installing and using the product and keep this manual in a safe place for future reference.

PR LIGHTING LTD.
<http://www.pr-lighting.com>

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ACCESSORIES

The following items are supplied with the projector and please check:

Name	Quantity	Unit	Remark
Clamp	2	Pc	
Safety Cord	1	Pc	
User manual	1	Pc	

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of the manual we reserve the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.

Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.

Note: For the products made by Guangzhou PR lighting Ltd, the warranty for the whole product is one year starting from the delivery date but the light source is not within the warranty.

Any future technical change in the user manual won't be with any notice.








1.SAFETY AND WARNINGS



NOTE

Before a projector's installation, power-on, operation and maintenance, please carefully read the safety information hereinafter!

The following safety signs are used in the user manual.

						
Warning	User Manual	Electrical shock	Goggles	Protective Gloves	Flames	High Temperature



- When unpacking , check if there is transportation damage before using the projector. Should there be any damage caused by transportation, consult your dealer and do not use it.
- The manufacture is not responsible for loss caused by the user not following the manual or changing the projector as he/she likes
- Please be noted that the damage caused by changing the projector at will is not warranted.
- Do not hesitate to contact the dealer or the manufacturer if any questions or advice.



- The projector is for indoor use only, IP20.
- Use only in dry locations. Keep this unit away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.
- The projector should be kept away from high temperature, fire, electrical surge, vibration and strong light while being operated
- The projector is only intended for installation, operation and maintenance by qualified personnel. And the operation must strictly follow the procedures in the manual
- No repairable parts in the projector and do not open covers for maintenance by yourself.



- Don't look straightly into the light sources especially for epileptics, otherwise eyes will be burned.
- Do not connect this device to any type of dimmer pack
- After lamp switched on, the minimum distance between the projector and illuminated surface is 10m
- lens and other optical parts shall be replaced immediately if they have deformed or been damaged, otherwise the light output will be compromised.



- Before operation, please confirm that all covers(housing) are on and screws tightened. It's forbidden to use a projector while covers(housing)are off
- Keep the lamp clean and do not touch it with bare hands.
- While operating it, wear protective items.



- Any electrical connection must be carried out by a qualified person .
- Before installation, please confirm the voltage supplied matches what is required for the projector
- Each projector must be properly earthed and installed as per related electrical standards.
- Do not use power cord with its insulator damaged and connect the power cord with other cables.
- If the projector is not used or under cleaning,, please hold the plug and unplug it. Do not unplug it forcefully or by pulling the power cable.
- All power cords must conform to related safety and regulations
- While being operated, the projector should not be under rains or in humidity.
- Do not switch on and off the projector constantly in very short intervals, otherwise the light source's and other electrical parts' life will be shortened .



- There are safety cord holes at the bottom of the base of a projector. In view of safety, please run the safety cord supplied through the safety cord holes for safety support.
- Before any installation, maintenance and cleaning work, please ensure the projector is disconnected from power mains.



- After running for 30minutes, the temperature of the housing of the projector is 55°C.After stable operation , its temperature is 70°C.
- While the lamp is stricken for the first time, there will be smoke and strange smell. It's normal and does not mean the projector has some defects.



- Do not mount the projector directly on inflammable surface.
- Do not project the beam straightly on combustibile items and the minimum distance between the projector and illuminated items is 5m.
- A projector should be installed with good ventilation and the minimum distance between the projector and walls is 50cm. At the same time, please ensure the fans and air inlets and outlets are workable.



- The product meets The General Technical Requirements and Standards for Recycle and Use Of Expired Appliance and Electronic Products.
- When the product meets disposal standards and needs to be disposed, a client needs to dispose and recycle it.

2. INSTRUCTIONS

•CLEANING AND MAINTENANCE

If a projector can't start. Please check if the fuse is blown up. If it does, replace it with a new fuse with same ratings. And the projector has over-temperature protective device. If the temperature is too high, the protective device will be triggered to shut the projector off. When it happens, please check if the fans run normally or fan shield is blocked by dust. After the issue is solved, restart the projector.

Cleaning frequency is to be decided by operations and its environment. Use soft cloth and normal detergent for glass for cleaning work. It's advised external optical system be cleaned every 20days and internal optical systems every 30/60days. Keep lens clean and do not touch optical parts with bare hands.



- Before any maintenance and cleaning, please ensure the project is off the power
- Only qualified person is allowed to do maintenance
- During maintenance and before maintenance, the projector must be off power.

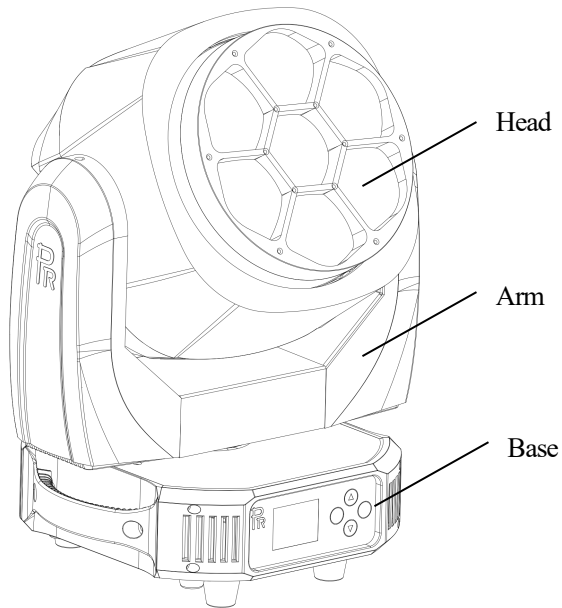


- To avoid internal damage, sun light or other light mustn't penetrate into the projector via front lens whether it runs or not
- Do not use alcohol or other organic solvent to clean the housing to avoid damage.
- Do not use any solvent with chemical elements to clean color filters or hot mirror.

•TROUBLESHOOTING

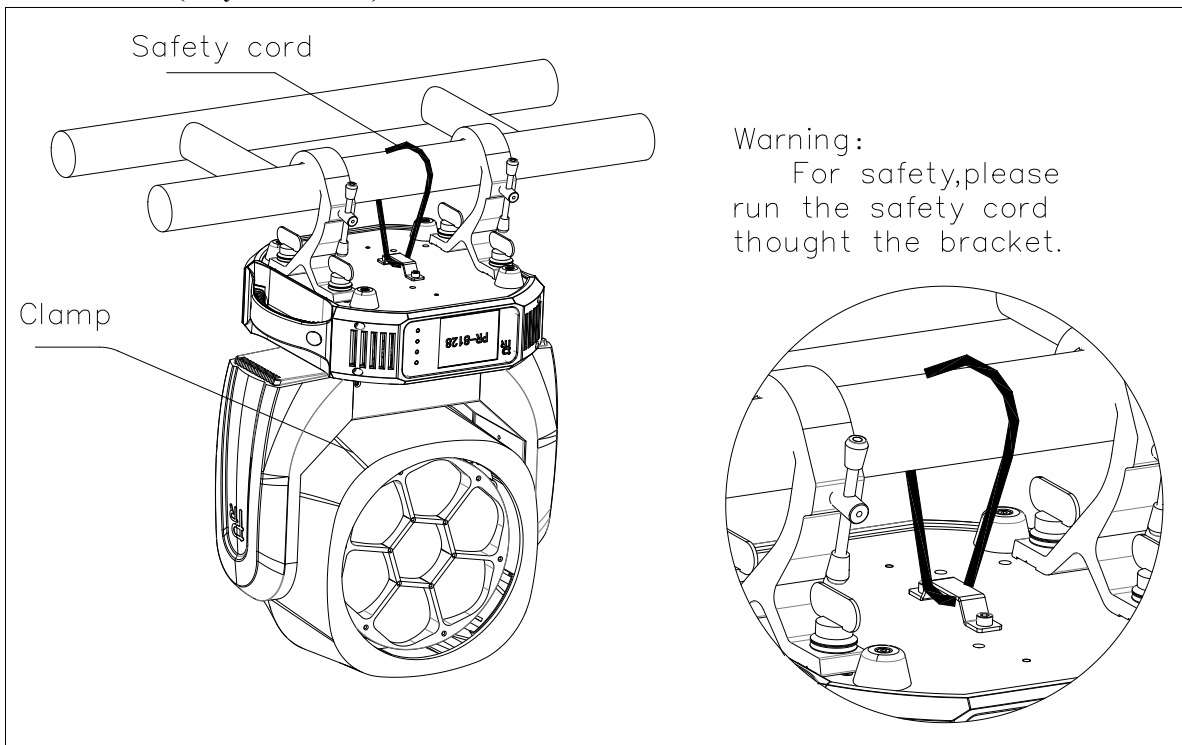
PROBLEM	ACTION
The projector doesn't switch on	<ul style="list-style-type: none"> •Check the power cord connection •Power Switch fails or is not connected well, call a professional technician for repairing and checking •Control board is not connected normally, call a professional technician for repairing and checking ,
The project can be turned on, but the LED lamps can't be on	<ul style="list-style-type: none"> •LED lamp board is not connected well, call a professional technician for repairing and checking
The LED lamps can be on, but not controlled by DMX	<ul style="list-style-type: none"> •Check DMX Start Address •Check if XLR cable fails or not
The brightness decreases obviously	<ul style="list-style-type: none"> •Ambient temperature is too hot which makes the projector too hot, please take appropriate ventilation measures

3.APPEARANCE



4.INSTALLATION

•RIGGING (Only for reference)



While transportation of the fixture, please lock both Pan and Tilt well; Before the use of the fixture, please unlock both. It's forbidden to run the fixture while it's locked.

Take 2 clamp and 1 the safety cord out from the package and mount 1 clamp on the BOTTOM of fixture with 2 retainers attached to the clamp. Hang the fixture on the steel truss and fasten the retainers attached to the clamp. Always ensure that the location that you are going to mount the unit is secure and is strong enough to support the weight of the unit (See the **WARNING** as shown above) **To pass SAFETY CORD through the SAFETY HOLE on the back cover of the base of the fixture for safety!** Always ensure that the unit

is firmly anchored to avoid vibration and slipping whilst functioning.



WARNING:

- The projector **MUST** be lifted or carried by the **HANDLES** instead of clamps.
- For safety the safety cord should afford 10 times the Projector’s weight.

• POWER CONNECTION

Connect the power cord as follows:

- L (live) =brown
- E (earth) =yellow/green
- N (neutral) =blue

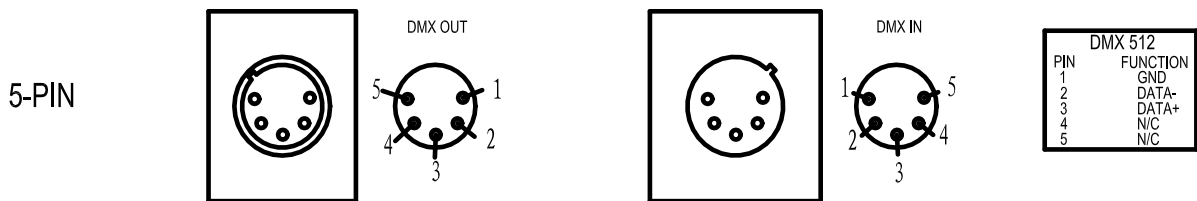
Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.

Note: If projectors are connected in series, please connect POWERIN port of the 1st projector with the Power Mains, then connect its POWER OUT with POWER IN of the 2nd projector, and so on till all fixtures are connected. If the voltage supplied is 200V-240V, the maximum projectors connected is 8pcs, if it is 100V-120V, the maximum is 4pcs. The diameter of the cores of the wires for the Power in/out cables must be equal or bigger than 2.5mm².



- The earth wire(yellow/green) must be connected to the ground. And electrical connection must be in accordance with the standards concerned.
- If any questions about the electrical installation, do not continue but consult a qualified electrician.

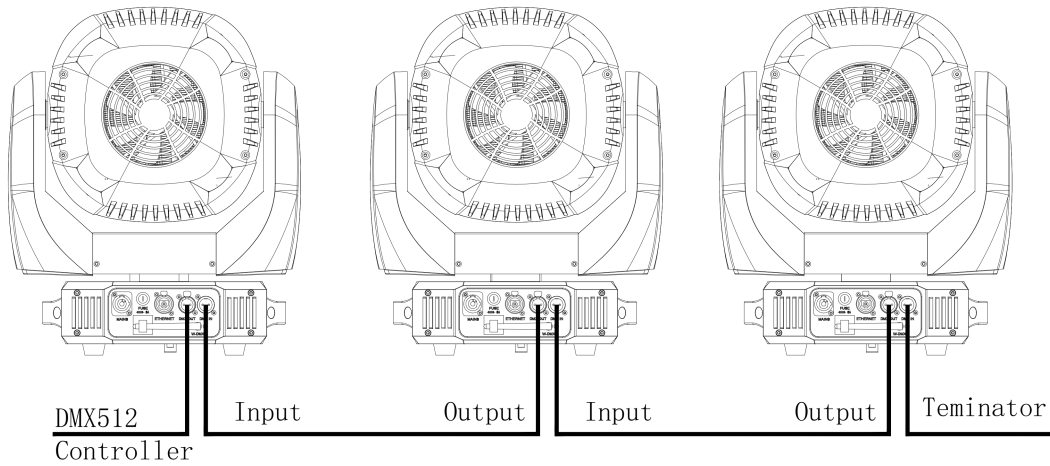
•DMX CONTROL CONNECTION



Connection between controller and projector and between one projector and another must be made with a twin-screened cable, with each wire having at least a 0.5mm in diameter. Connection to and from the projector is via cannon 5 pin (which are included with the projector) or 5 pin XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. XLR plugs and sockets mustn't be connected in any way other than mentioned in the above figure. The projector accepts digital control signals in protocol DMX512 (1990).

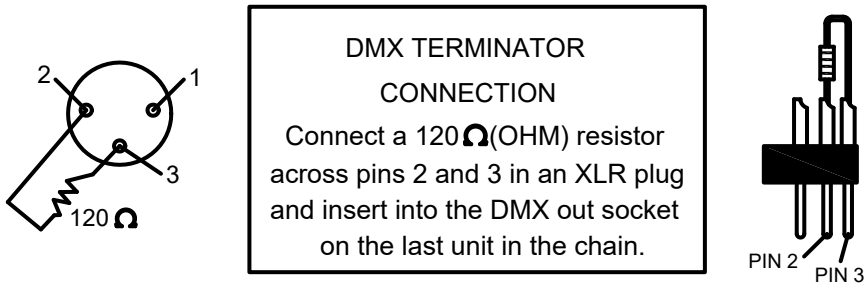
Connect the controller’s DMX output to the first fixture’s DMX input, and connect the first fixture’s DMX output to the second fixture’s DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture’s DMX output to a DMX terminator as shown in the figure below.



DMX TERMINATOR

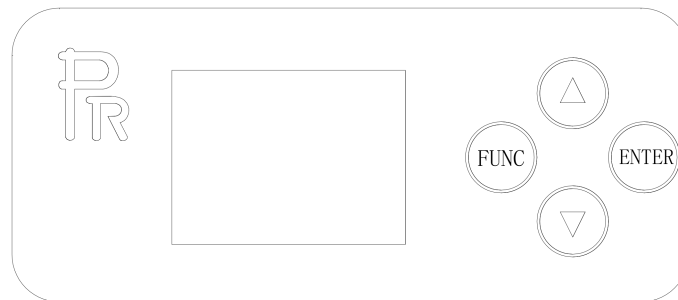
In the Controller mode, at the last projector in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



5.SETUP AND CONFIGURATION

FRONT PANEL OPERATION



Projector configuration can be set conveniently via push button and the color touch screen.

Launch the projector and press button **ENTER** for more than 3seconds to unlock the panel, the display will show the function menu of the projector, each main menu has its submenus and each submenu has a specific function. For details, please see the “OPERATION MENU” section.

Press button **UP** or **DOWN** if you want to browse through the various Setup Options.

Press button **ENTER** to save your settings or enter the submenu.

Press button **UP** or **DOWN** to change values(plus or minus)

Press button **FUNC**, it will return to the upper menu. If button **FUNC** not pressed, the default will show display status automatically.

DMX START ADDRESS

If many projector s are controlled by the controller, each projector should be set with a start address to receive signals sent by the controller and respond to it. The projector have 3 DMX modes. There are short mode, standard mode and extended mode. For example standard mode has 30channels, so set the No. 1 Projector ’s address 001, No. 2 Projector ’s address 031, No. 3 Projector ’s

address 061 and so on.

Launch the projector. Press button **ENTER** more than 2seconds to unlock panel.

Press button **ENTER** to display DMX address;

Press button **UP** and **DOWN**, you can set the address;

Press button **ENTER** to confirm; after powered on next time, the default will be last value saved

Press button **FUNC**, it will return to the upper menu

•DMX WIRELESS CONTROL (Optional)

The projector has the optional wireless control function. With wireless receiver module and antenna, it can achieve remote control.

The setup of it is below:

1. Enter into the projector’s menu. Select the menu “Config Settigns” via the bottoms of **UP** and **DOWN**
2. Select **DMX control Mode--- Wireless First** (Note: do not select **XLR ONLY**),then wireless indication in the front panel will be on, meaning wireless control function is activated.

Only after the projector is linked with a transmitter, can it receive wireless signal sent by the transmitter. If unlinking it, Press “Enter” for the menu of Unlink Wireless under the upper level menu of Config Settigns .

•STAND-ALONE MODE

Operate the projector without connecting with a controller, enable the master mode through the operation panel, the projector will run in Stand-Alone mode automatically.

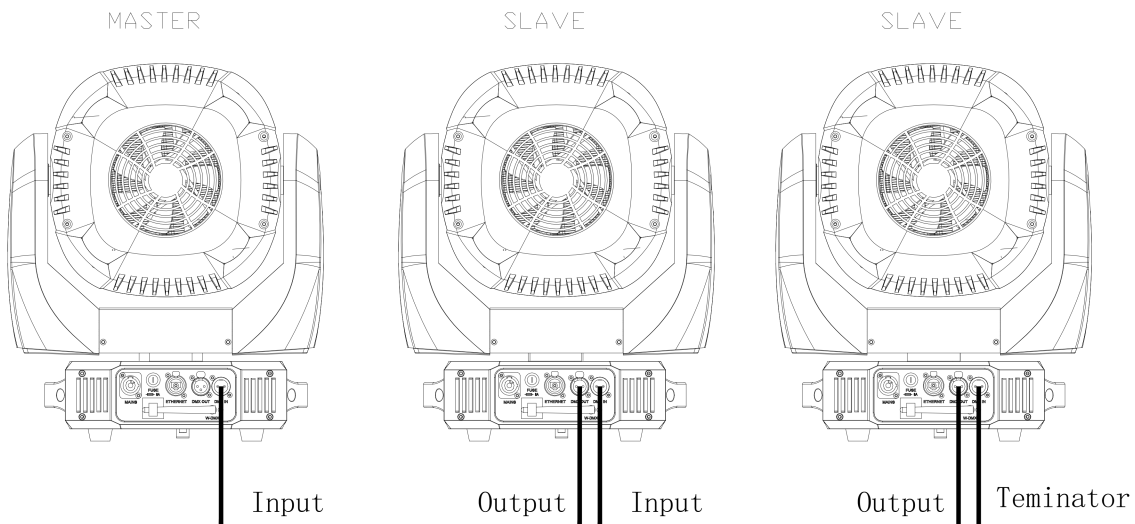
DMX address can be set at any number within 512.

•MASTER/SLAVE MODE

Many projectors can run synchronously in the Master/Slave mode by linking them with each other. First, connect the first projector ’s DMX output to the second projector ’s DMX input using XLR-XLR control cable and then connect the second projector ’s DMX output to the third projector ’s DMX input, and so on until all projector are connected in this way. Eventually connect the last projector ’s DMX output to a DMX terminator. Set 1st projector as the master and others are Slaves.

Start Addresses of all Slaves are 001; Operation mode of the Master can be set any mode for a Master’ and Slaves’ operation mode can be set accordingly.

After Powered on, the group will run in Master/Slave Mode



6.OPERATION MENU

1st LEVEL	2nd LEVEL	3rd LEVEL	4th LEVEL	5th LEVEL
Address	DMX Address	1-487(Short mode) 1-483 (Standard mode) 1-459Extended mode)		
	IP Address	Default IP Address	2.X.X.X/10.X.X.X	

		Custom IP Address	X.X.X.X		
		Sub Net Mask	X.X.X.X		
		ArtNet Universe	0-255		
		sACN Universe	1-63999		
Reset		Total Reset	Really Reset?	Confirm/Cancel	
		Pan & Tilt Reset	Really Reset?	Confirm/Cancel	
		Zoom/front lens panel rotation Reset	Really Reset?	Confirm/Cancel	
Config Settings	DMX Channel Mode		Short Mode 26CH		
			Standard Mode 30CH		
			Extended Mode 54CH		
			View Selected Mode	Strobe	
	Signal Select		XLR Only		
			XLR First		
			Wireless Only		
			Wireless First		
			Wireless In/XLR Out		
			ArtNet Only		
			ArtNet In/XLR Out		
			sACN Only		
	Loss of DMX		Normal time out		
			Hold Last Value		
	Display Config	Display Mode		Off/After Delay	
				On Always	
		Display Invert		Invert OFF	
				Invert ON	
				Invert Auto	
		Language Setting		English	
			Chinese		
	Touch Calibration	XXX			
Temperature Unit		Celsius Degree			
		Fahrenheit Degree			
	Un-Link Wireless	Really Un-Link?	Confirm/Cancel		
	Factory Defaults	Restore Defaults?	Confirm/Cancel		
Option Settings	Pan/Tilt Settings		Pan DMX Invert	OFF/ ON	
			Tilt DMX Invert	OFF/ ON	
			Pan Tilt Swap	OFF/ ON	
			XY Feedback	OFF/ ON	
			Pan/Tilt Mode	speed/Time	
	Dimmer Settings		Gamma Curve	Gamma 2.0/2.2/2.4/2.6	
			Dimmer Speed	Fast/Medium/Slow Speed	
		Fan Settings	Standard/Theatre		
	Defaults	Restore Defaults?	Confirm/Cancel		
Information	View DMX Values	DMX channel Value Strobe XXX Dimmer XXX ... Control Function XXX			
	Lamp Hours	LED Hours=xxxh			

	Total Hours	Total Hours=xxxh			
	Temperature	Display Board XX°C/F			
		Pan Tilt Board XX°C/F			
		LED driver board 1 XX °C/F			
		LED driver board 2 XX °C/F			
		LED XX°C/F			
	Software Version	Display Board	System= XXX Boot =XXX		
		Pan & Tilt Board	System= XXX Boot =XXX		
		LED Driver board 1	System= XXX Boot =XXX		
		LED Driver board 2	System= XXX Boot =XXX		
Electronic SN	Electronic SN=XXX				
RDM Device Label	ANSI E1.20 RDM				
Fan Status	Fan Speed Status Power supply fan F1 XX XX Base F2 XXX XXX LED fan F3 XXX XXX				
Service	Manual Control	Strobe XXX Dimmer XXX ... Control function XXX			
	Factory Test		...		
Operation Mode	DMX Mode	Change Operation Mode?	Confirm/Cancel		
	Master Mode	Preset Memory	Change Operation Mode?	Confirm/Cancel	
		User Memory 1	Change Operation Mode?		
		User Memory 2	Change Operation Mode?		
	Stand-Alone Mode	Preset Memory	Change Operation Mode?		
		User Memory 1	Change Operation Mode?		
		User Memory 2	Change Operation Mode?		
Static Scene	Change Operation Mode?				
User Memories	Edit User Memory	Edit User Memory 1	Scene XX (1~200 Scenes)	Strobe XXX Dimmer XXX ... Control Function XXX	
		Edit User Memory 2		Fade time XXX Hold time XXX Delay Time XXX Delay Unit Link To Step XXX	
		Edit Static Scene		Strobe XXX Dimmer XXX ... Control Function XXX	
	Init User Memory	Reset User Memory 1	Reset User Memory?	Input Password123	
		Reset User Memory 2	Reset User Memory?	Input Password123	
		Reset Static Scene	Reset Static Scene?	Input Password123	

7.DMX CHART

Short mode	Standard mode	Extended mode	function	DMX Value	Description
1	1	1	Strobe	000-007	No
				008-127	Strobe from slow to fast










				128-135	No
				136-177	Fast closing and slow opening
				178-185	No
				186-227	Fast opening and slow closing
				228-235	No
				236-249	Random Strobe(Any LED on at random of any fixture)
				250-255	No
2	2	2	Dimmer	000-255	Linear Dimmer from dark to bright
3	3	3	Color Temperature	000	No
				001-255	Linear CT change from low to high(1800-10000K)
4	4	4	Color Macro	000-007	No
				008- 255	Rainbow Fade from slow to fast
5	5	5	Colors	000	No
				001-255	255 colors
6	6	6	Area 1 Red	000-255	Linear change from dark to bright
7	7	7	Area 1 Green	000-255	Linear change from dark to bright
8	8	8	Area 1 Blue	000-255	Linear change from dark to bright
9	9	9	Area 1 White	000-255	Linear change from dark to bright
6	6	10	Area 2 Red	000-255	Linear change from dark to bright
7	7	11	Area 2 Green	000-255	Linear change from dark to bright
8	8	12	Area 2 Blue	000-255	Linear change from dark to bright
9	9	13	Area 2 White	000-255	Linear change from dark to bright
6	6	14	Area 3 Red	000-255	Linear change from dark to bright
7	7	15	Area 3 Green	000-255	Linear change from dark to bright
8	8	16	Area 3 Blue	000-255	Linear change from dark to bright
9	9	17	Area3 White	000-255	Linear change from dark to bright
6	6	18	Area 4 Red	000-255	Linear change from dark to bright
7	7	19	Area 4 Green	000-255	Linear change from dark to bright
8	8	20	Area 4 Blue	000-255	Linear change from dark to bright
9	9	21	Area4 White	000-255	Linear change from dark to bright
6	6	22	Area 5 Red	000-255	Linear change from dark to bright
7	7	23	Area 5 Green	000-255	Linear change from dark to bright
8	8	24	Area5 Blue	000-255	Linear change from dark to bright
9	9	25	Area5 White	000-255	Linear change from dark to bright
6	6	26	Area 6 Red	000-255	Linear change from dark to bright
7	7	27	Area 6 Green	000-255	Linear change from dark to bright
8	8	28	Area 6 Blue	000-255	Linear change from dark to bright
9	9	29	Area 6 White	000-255	Linear change from dark to bright
6	6	30	Area 7Red	000-255	Linear change from dark to bright
7	7	31	Area 7 Green	000-255	Linear change from dark to bright
8	8	32	Area 7 Blue	000-255	Linear change from dark to bright
9	9	33	Area 7 White	000-255	Linear change from dark to bright
10			Front Lens Panel	000	Stop

	10	34		001-127	Clockwise rotation from slow to fast
				128-255	Anti-clockwise rotation from slow to fast
11	11	35	Zoom	000-255	
	12	36	Zoom Fine	000-255	In 16 Bit
12	13	37	Pan	000-255	Pan 0-540 degrees
	14	38	Pan in 16 bit	000-255	Pan in 16 bit
13	15	39	Tilt	000-255	Tilt 0-270 degrees
	16	40	Tilt in 16 bit	000-255	Tilt in 16 bit
	17	41	Pan and Tilt Speed	000-255	Pan & Tilt speed from fast to slow
				000-007	No
14	18	42	Macros	008-255	17 macros If front colors and background colors are not on, the colors for macros are default colors. Otherwise, the colors are custom.(the control channel for the front color and background color are following) If the macros are activated, the dimmer for area1-6 are void, but total dimmer is still active.
15	19	43	Dimmer of Front Color macro	000-255	Front color dimmer (the channel should be on before the running of the user defined macros)
16	20	44	Dimmer of Background color macro	000-255	Background color dimmer (the channel should be on before the running of the user defined macros)
17	21	45	Speed adjustment of macros	000-255	From slow to fast
18	22	46	Dimmer of front red color Macros	000-255	Linear dimmer for front red color
19	23	47	Dimmer of front green color Macros	000-255	Linear dimmer for front green color
20	24	78	Dimmer of front blue color Macros	000-255	Linear dimmer for front blue color
21	25	49	Dimmer of front white color Macros	000-255	Linear dimmer for front white color
22	26	50	Dimmer of background red color Macros	000-255	Linear dimmer for background red color
23	27	51	Dimmer of background green color Macros	000-255	Linear dimmer for background green color
24	28	52	Dimmer of background blue color Macros	000-255	Linear dimmer for background blue color
25	29	53	Dimmer of background white color Macros	000-255	Linear dimmer for background white color
26	30	54	Control Function	000-019	Reserved



				020-024	Graphic Display On
				025-029	Graphic Display Off
				030-046	Reserved
				047-048	Fan standard mode
				049-050	Fan theatre mode
				051-052	Fast dimmer
				053-054	Medium dimmer
				055-056	Slow dimmer
				057-058	Gamma curve 2.0
				059-060	Gamma curve 2.2
				061-062	Gamma curve 2.4
				063-064	Gamma curve 2.6
				065-066	Straight Line
				067-089	Reserved
				090-094	Pan & Tilt Speed Mode
				095-099	Pan & Tilt Time Mode
				100-139	Reserved
				140-149	Pan & Tilt Reset(more than 3s to activate)
				150-179	Reserved
				180-189	Reset of head motors (more than 3s to activate)
				190-199	Reserved
				200-209	Reset (more than 3s to activate)
				210-255	Reserved

Note: The channels for macros are prior to channels for color temperature, color macros and color effect.

8. SIGNS ON THE SCREEN

	Config Settings		Option Settings
	Address		Information
	Error Messages		Service
	Reset		Operation Mode
	User Memories		

9. ERROR MESSAGES

The system can detect some errors during the reset, if  displayed, touch  to view the error.

The error messages are as follows:

Name	Type	Correction
Pan	Timeout/magnet Sensor/Encoder	Check if wiring, positioning parts and motors are normal
Tilt	Timeout/magnet Sensor/Encoder	Check if wiring, positioning parts and motors are normal

Zoom	Timeout/magnet Sensor	Check if wiring, positioning parts and motors are normal
Lens panel rotation	Timeout/magnet Sensor	Check if wiring, positioning parts and motors are normal
Pan & Tilt Board	Error	Check signal wire
LED Driver Board 1	Error	Check signal wire
LED Driver Board2	Error	Check signal wire
LED Off[Fan Error]	Error	Check if all fans are normal
Time IC	Error	Contact the manufacturer

10. TECHNICAL DATA

ELECTRIC PARAMETERS

Input voltages : 100V~240V AC, 50/60Hz

Input Power : 500W @ 220V

Power factor : PF > 0.95

Max. Current: 2.5 A @ 220 V

LIGHT SOURCE

LED: 60W RGBW LED(SMT), Four in One

Rated life : 50000hrs

Power: 60W,7pcs

COLOR TEMPERATURE:

Linear change from 1800K to 10000K

COLORS

Linear RGBW ,color mixing with infinite colors and macros

DIMMER

0-100% linearly adjustable

3 dimmer speeds

5 dimmer gamma curves

STROBE:

Electronic strobe:0-25 Hz(Built-in Pulse Strobe)

OTHER EFFECTS:

Rainbow, Wash, Beam, Profile, Effect Modes(Kaleidoscope, Swirl), multiple macros

BEAM ANGLE

Beam angle(1/2 peak) $\theta_{1/2}$: Linear zoom 3.3°~ 60°

ROTATION

Pan 0-540 degrees, Tilt 0-210 degrees with auto-positioning , Bi-directional and continual rotation for the front lens panel

CONTROL:

International Standard DMX512 signal, 5 pin DMX512 interfaces

26channels in short mode, 30channels in standard mode, and 54 channels in extended mode.

Master/slave mode

Stand-alone mode, Preset mode, Self test mode, Single Scene mode

OTHER FUNCTIONS:

Pixel Control, each color of RGBW of a LED controllable .

Bi-directional and continual rotation of the front lens panel

Color touch screen and its brightness adjustable

Wireless Control

Pan and Tilt Speed adjustable and Pan and Tilt can be inverted

Convenient and quick firmware upgraded via DMX512 interface and XLR cable

Over temperature protection

Total hours, DMX512 channel number, software versions are displayed and display inversion

HOUSING:

High temperature engineering-plastic, IP20

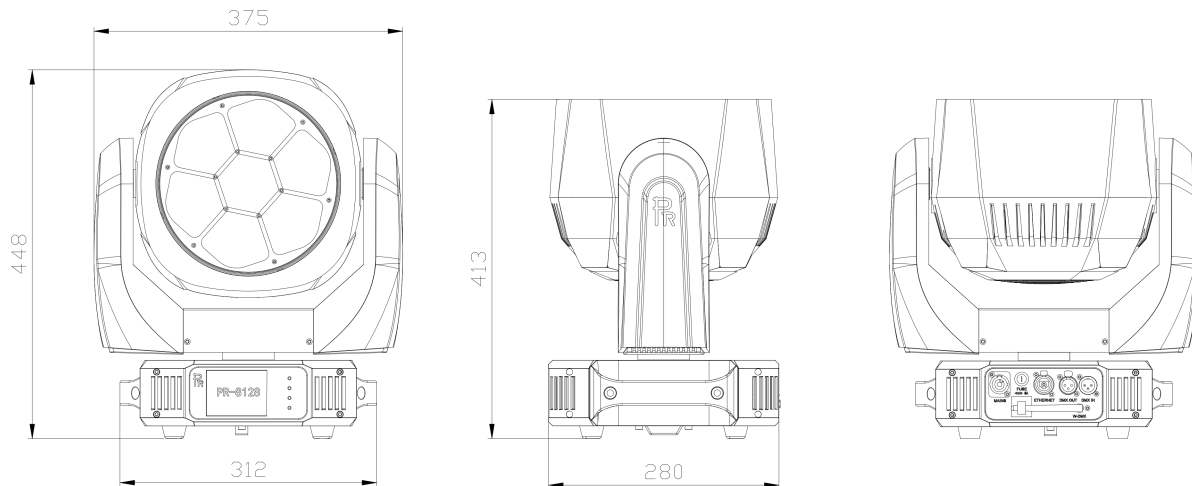
WEIGHT:

14Kg

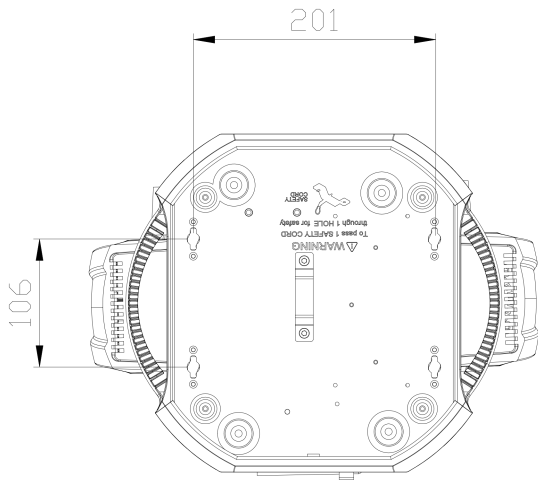
AMBIENT TEMPERATURE

Maximum ambient temperature: 45 °C

SIZES:

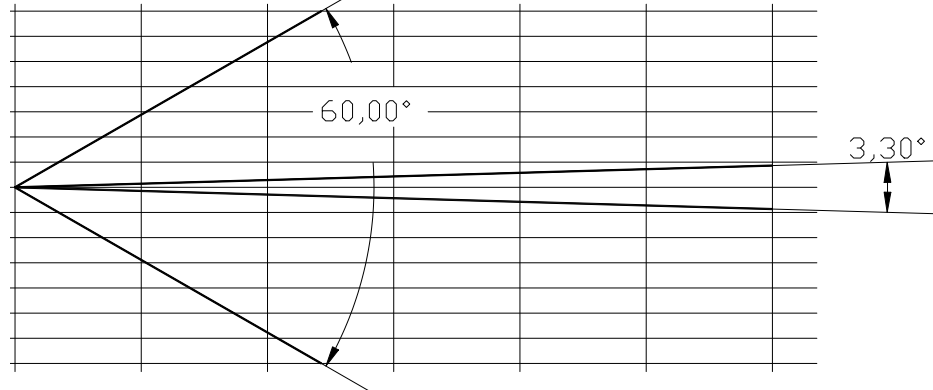


Base installation:



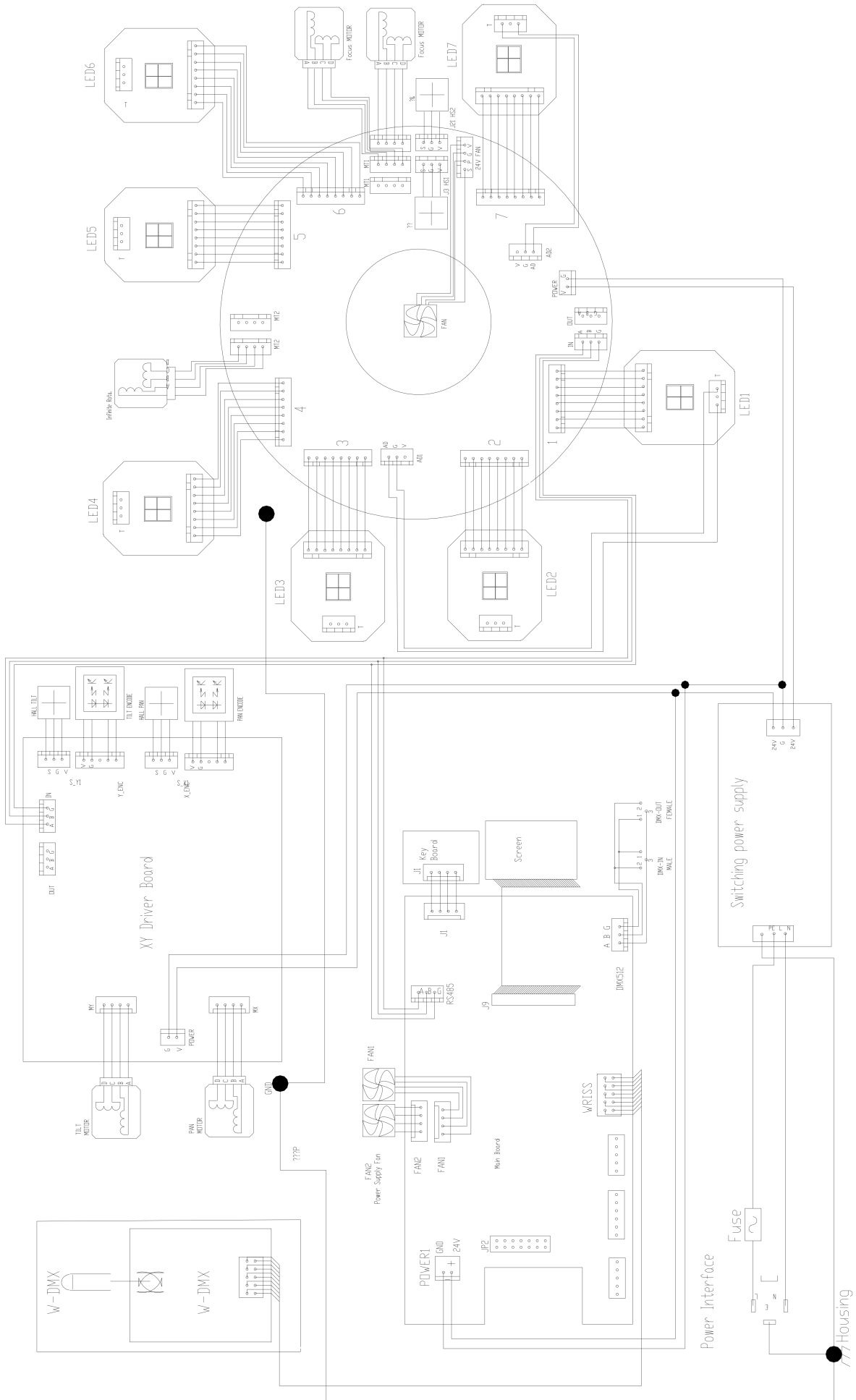
PHOTOLECTRIC:

60 °lux	0	6417	1331	651	319	264	162
3.3 °lux	0	54580	24720	19510	12960	4203	3881



DISTANCE (m)	0	2	4	6	8	10	15
3.3° DIAMETER (m)	0	∅0.12	∅0.23	∅0.35	∅0.47	∅0.58	∅0.70
60° DIAMETER (m)	0	∅2.11	∅4.23	∅6.34	∅6.46	∅10.57	∅12.68

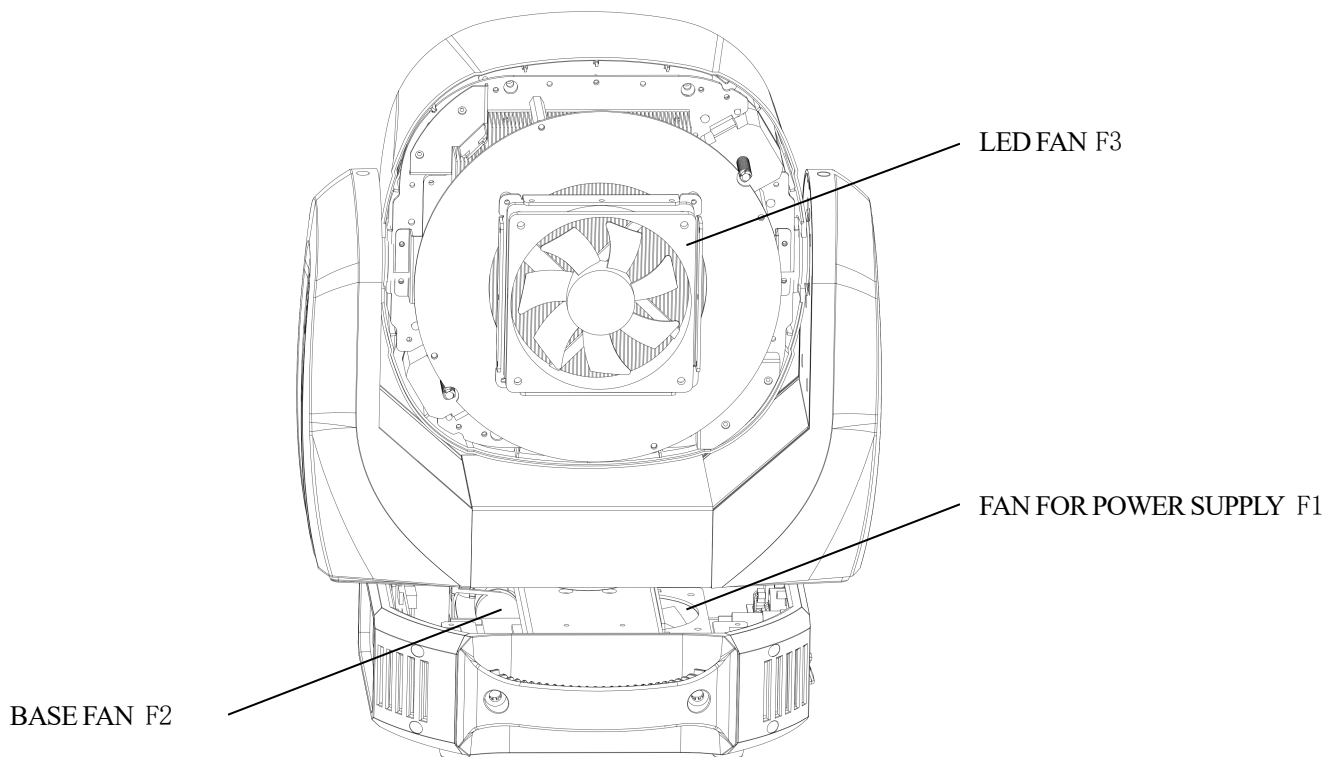
11.CIRCUIT DIAGRAM



12.COMPONENT ORDER CODES

NO	NAME	PART NO.	QTY	REMARKS
1	LEDBOARD	230060621C	7	
2	SWITCHING POWER SUPPLY	192010249	1	
3	LED FAN F3	030060142	1	
4	FAN FOR POWER SUPPLY F1	030060122	1	
5	BASE FAN F2	030060118	1	

13. LIGHTING FAN INSTALLATION POSITION



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