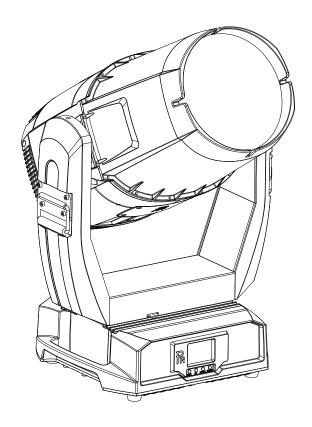
R 珠江灯光



AQUA 580 BEAM PR-2569

The user manual contains important information about the safe installation and use of a projector. Please read and follow these instructions carefully and keep the 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
G clamps	2	Pcs	
XLR connector	1	Set	Male and female
Safety cord	1	Pc	
User manual	1	Pc	
Ω clamps	2	Pcs	Optional

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.

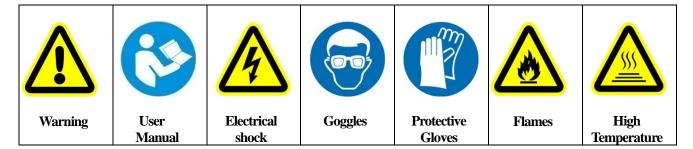
Note: For the products made by Guangzhou PR lighting Ltd, the warranty for the whole product is one year starting from the delivery date but the light source is not within the warranty.



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.





- When unpacking, check if there is transportation damage before using a projector. Should there be any damage caused by transportation, consult your dealer and do not use it.
- •The manufacturer is not responsible for any loss caused by the user not following the manual or changing a projector as he/she likes.
- Please be noted that the damage caused by changing a projector at will is not warranted.
- Do not hesitate to contact the dealer or the manufacturer if any questions or advice.
- •If a lamp is damaged or deforms because of heat, it should be replaced.(It applies only to traditional lamps)



- The projector is for indoor and outdoor use, IP66.
- It can be used in humid and dusty areas. And it can contact water and other non-corrosive 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 a projector to any type of dimmer pack.
- If the lamp, lens and screen protective cover of the a projector have obvious damage, i.e., to the extent that it hurts the performance like cracking or deformation. Please stop using it and replace them with the original parts, otherwise its performance will be compromised.
- For the installation location of a projector, it shouldn't be seen in the distance of less than 4 meters for a long time.



- •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 like eye goggles, gloves and etc..



- Any electrical connection must be carried out by a qualified person .
- •Before installation, please confirm the voltage supplied matches what is required for a 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 a 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.
- •If a projector is not water and dust proof, while being operated it should not be under rains or in humidity to avoid short circuit.
- •Do not switch on and off a 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 a projector is disconnected from power mains.



- \bullet While running normally under normal ambient temperature, the temperature of the external surface of the metal housing of a projector including that of the heat sink may reach 170° C at maximum.
- •While the lamp is stricken for the first time, there will be smoke and strange smell. It's normal and does not mean a projector has some defects.
- While it running, don't touch the metal housing to avoid being burned!



- •Do not mount a projector directly on inflammable surface.
- Do not project the beam straightly on combustible items and the minimum distance between a projector and illuminated items is 5m.
- A projector should be installed with good ventilation and the minimum distance between a projector and a wall is 50cm. At the same time, please ensure the fans and air inlets and outlets are workable.
- •Do not let the front lens under sunlight or other strong light sources at any angle, otherwise the danger of fire can be caused by the focused beam by the lens inside a projector.

2. INSTRUCTIONS

•CLEANING AND MAINTENANCE

Under normal running, the protective units of a projector should be inspected regularly like power fuse. If it is burned, please install a new one and ensure it is the same rating as the burned one.

For a projector with an over-temperature protective unit, please inspect cooling units regularly like cooling fans, heat sink and other cooling parts. Please check if the fans run normally or fans and air inlets are blocked by dust. To keep air inlets /outlets clean, cooling fans should be cleaned every 15days.

For projectors with lens, reflectors and coated filters, the accumulation of oil, smoke and dust on them will compromise the light output. Cleaning a projector is very necessary to ensure a reliable use. Internal and external lens, flat glass, reflector and coated filters need to be cleaned periodically to optimize light output.

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. For a projector with high IP rating, if no damage inside, it is advised to clean the surfaces of its housing in principle. Keep lens clean and do not touch optical parts with bare hands.



- •Before any maintenance and cleaning, please ensure a project is off the power.
- •Only a qualified person is allowed to do maintenance.



- •To avoid sunlight or other light penetrating into the head via the front lens, resulting in high temperature internally causing damages to a projector. Before power-off, please use Tilt channel to move the head and make the head facing downward.
- •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 coated filters.

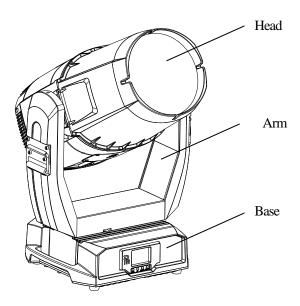
• LUBRICATION

To ensure smooth movement of gobos and zoom and focus lens, it's advised rotators' bearings and 2 sliding bars for zoom and focus lens be lubricated every 2 months. High quality and high temperature lubricant/grease is advised.

•TROUBLESHOOTING

PROBLEM	ACTION			
A projector decen't quitab en	Check the fu	ise on the power socket.		
A projector doesn't switch on	Check the la	mp.		
The lamp is on but a projector doesn't respond to	Make sure th	nat the fixture's start address is right		
the controller	Replace or r	epair the XLR signal cable.		
A projector functions intermittently	Make sure th	e fan is working well or fans and their shields are not blocked		
Beam appears dim, Low in brightness	Make sure th	ne lamp is within its lifespan		
Beam appears diffi, Low in originaless	Remove dus	t or grease from the lenses.		
The project image appears to have a halo	Carefully cle	ean the lamp, optical lenses and other components.		
Haavily Defeative Peem	Check if le	ens are in good condition(not cracked)		
Heavily Defective Beam	Clean dust o	r grease on the lens.		

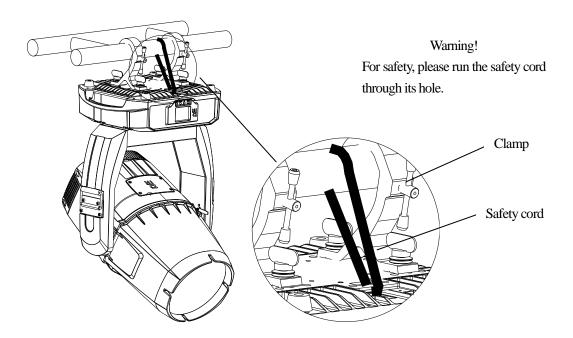
3. APPEARANCE



4. INSTALLATION

•RIGGING

Before moving a projector, Please lock Pan and Tilt. Before its operation, please unlock them. It's forbidden to run a projector with power while it is locked.



Take 2 clamps and the safety cord out from the package and mount 2 clamps on the underside of fixture with 2 retainers attached to each clamp. Hang the fixture on the structure and fasten the screws attached to each clamp. (See the <u>WARNING</u> on the underside of the base as shown above) <u>To pass the SAFETY CORD through the HOLES for safety!</u> Always ensure that the projector is firmly anchored to avoid vibration and slipping whilst functioning. Always ensure that the structure that you are going to mount the projector to is secure and strong enough to support the weight of a XR 1000 Framing.



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

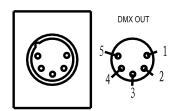
Connect the power cord as follows: L (live) =brown E (earth) =yellow/green N (neutral) =blue

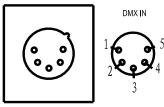
Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.



- •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:



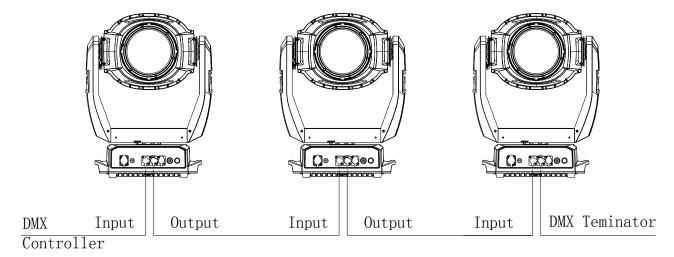




Connection between controller and projector and between one projector and another must be made with a twin-screened cable, with each wire having at least a 0.5mm in diameter. Connection to and from the projector is via cannon 5 pin (which are included with the projector) or 5 pin XLR plugs and sockets. 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 XR330BWS accepts digital control signals in protocol DMX512 (1990).

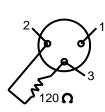
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



.DMX TERMINATOR

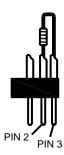
In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

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.



DMX TERMINATOR CONNECTION

Connect a 120 Ω(OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX out socket on the last unit in the chain.



•ALIGNMENT/INSTALLATION/REPLACEMENT OF A LAMP

Please hold the projector well before adjustment/installation/replacement of lamp. As shown in figure 1, remove fan cover of the head and heat sink.

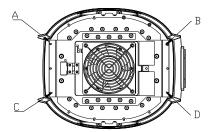
Removal/Installation of lamp as shown in figure2

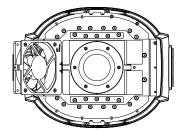
Adjust the lamp as shown in figure3

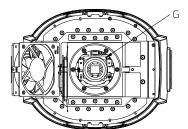
Before the removal of the lamp, unplug the lamp wires. And plug lamp wires after a new one is in.



- •Don't touch the internal surface of the reflector and the burner of the lamp with bare hands so as not to impair the beam output. There is a protruding metal wire in the lamp, while installation do not damage it. Hold the lamp body well before its removal. It's forbidden to use force on the ceramic stand, otherwise it will loosen or fall off.
- •Please read "Instructions" enclosed with the lamp
- •While adjusting the lamp, it is forbidden to carry out the functions not associated with lamp adjustment.







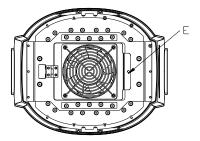
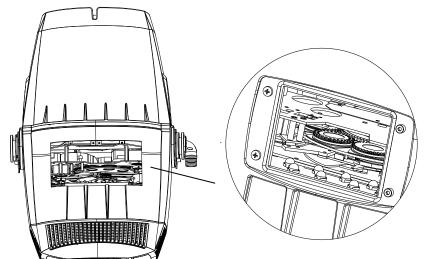


Figure 1: loosen 4 screws of the fan cover of the head before removing it. Then loosen the screws of heat sink and remove it and the fan.

Figure 2: Unplug the lamp wires, push the upper clipping plate toward the spring with force, but push the lamp in the opposite direction till it is off the plate, then take the lamp out obliquely. The same applies to its installation. Figure 3: After the replacement of the lamp, please ensure first the lamp is clipped well before plugging lamp wires. Turn the lamp on and adjust the lamp's position to the middle. After that, install the heat sink, fan and fan cover.

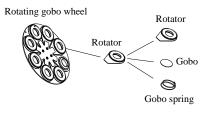
- 1. After the projector is powered on, disable the following function in the menu: services-factory mode-lamp fan sensor, then shut it from power
- 2. Loosen the 4 screws of the fan cover and remove it.
- 3. Loosen 4 screws of the fan plate, remove the fan and the clump weight, loosen 10 screws of the heat sink and remove it.
- 4. Push the upper clipping plate of the lamp towards the spring, and at the same time pus the lamp towards the opposite till it is off the plate and remove it obliquely,
- 5. The installation of the lamp is the same as its removal
- 6. Check if the lamp wires are plugged well, then turn on the lamp for adjustment
- After the adjustment of the lamp, activate the following function in the menu: services-factory mode-lamp fan sensor. Then shut it from the power
- 8. Check if the seals are good or not. If not, replace them with good ones. If no, install the heat sink, fan and fan cover in the opposite sequences as the removal.
- 9. After installation, power it on. The projector will execute the total reset. After that, the projector can be used normally.

.GOBO REPLACEMENT



Replacement of the Gobos:

Open the chamber cover after loosening 4 screws. Select the rotator for replacement of gobo. Push the rotator at the opposite side of its gear till it is off the holder of the rotating gobo wheel. Remove the rotator gently . After replacement of the gobo, place the rotator into the wheel and ensure it is in the right position and not loose.

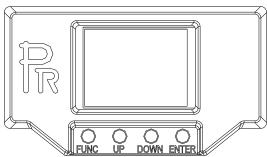




DANGER!

Before replacement of gobos, the projector must be off the power.

5. SETUPAND CONFIGURATION FRONT PANEL OPERATION



To browse through or change the projector 's settings, press ENTER key for more than 3s(press ENTER key after power on) to unlock the screen , then press UP/DOWN key to enter the projector 's function menus. Each main menu has its sub-menus. And each menu stands for special function. For the details, please see the following 6^{th} point "Operation Menu"::

- 1. At the page to set the fixture's functions, press UP or DOWN key to select the functions desired.
- 2. While menu operations, the FUNC key to escape, and ENTER key is used to confirm. Press ENTER key to save the changes or enter into the sub menus. Press UP or DOWN key to change the numbers(minus or plus).

 $Press\ FUNC\ key\ to\ go\ to\ the\ uppler\ menu.\ If\ no\ key\ is\ pushed,\ the\ system\ will\ go\ back\ to\ initial\ status\ automatically.$

• DMX START ADDRESS

Each projector must be given a DMX start address so that the correct projector responds to the correct control signals. This DMX start address is the channel number from which the projector starts to "listen" to the digital control information being sent out from the controller. The projector has 3DMX modes. There are standard mode ,short mode and extended mode. For example standard mode has 26 channels, so set the No. 1 projector's address 001, No. 2 projector's address 027, No. 3 projector's address 053,No. 4 projector's address 079, and so on.

Switch on the Projector . Press ENTER key more than 3 seconds to unlock panel, then press UP or DOWN key to enter into the

fixture's operation menus.

 $Select \underline{DMX} \ Address \ icon \ and \ press \ ENTER \ key \ on \ the \ display \ and \ select \ DMX \ address \ at \ the \ 2^{nd} \ level \ menu \ for \ the \ address \ setting.$

Press UP or DOWN key for the DMX address desired.

Press ENTER key to confirm.

Press the FUNC key to go back to the upper level menu.

.

.DMX WIRELESS CONTROL

The projector has wireless control function with wireless receiver module and antenna for remote control.

The setup of it is below:

- 1. Press ENTER for more than 3s to unlock the control panel, then press UP or DOWN key to enter into the operation menu and select "Config Settings".
- 2. Select "Wireless Only" from the menu of "Signal Select".

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 Un-link Wireless under the upper level menu of Config Settigns, then the fixture is unlinked with the wireless transmitter.

•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.

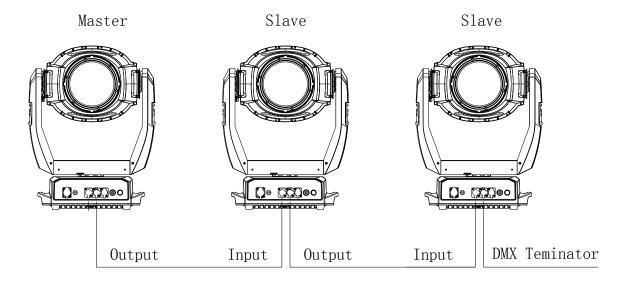
DMX address can be set at any number within 512.

•MASTER/SLAVE MODE

Many projectors can run synchronously in the Master/Slave mode by linking them with each other. First, connect the first fixture's DMX output to the second fixture's DMX input using XLR-XLR control cable and then connect the second fixture's DMX output to the third fixture's DMX input, and so on until all projector are connected in this way. Eventually connect the last fixture'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
A 11	DMX Address	1-490(Short Mode) 1-486(Standard Mode) 1-482(Extend Mode)		
Address	IP Address	Default IP Address	2.X.X.X /10.X.X.X	
		Custom IP Address	X.X.X.X	
	SubNet Mask	X.X.X.X		
	ArtNet Universe	0-255		
	Total Reset	Really Reset? Confirm or Cancel		
	Pan&Tilt Reset	Really Reset? Confirm or Cancel		
Reset	Colour System Reset	Really Reset? Confirm or Cancel		
S	Gobo Reset	Really Reset? Confirm or Cancel		
	Dimmer/Strobe Reset	Really Reset? Confirm or Cancel		
	Fo. Fr. Pr. Reset	Really Reset? Confirm or Cancel		
	DMX Channel Mode	Short Mode 22CH		
		Standard Mode 26CH		
		Extended Mode 30CH		
Config		View Selected Mode	Ch.01 Strobe Ch.02 Dimmer Ch.26 Power / Special Fan	
Settings		Lamp Control	OFF/ON	
222	Lamp Control	On By Power On	OFF/ON	
		Control By DMX	OFF/ ON	
		ECO Power	OFF/ ON	
		XLR Only		
		XLR First		
	Signal Select	Wireless Only		
		Wireless First		
		Wireless In/XLR Out		
		ARTNET Only		

		ARTNET In/XLR Out		
	_	Normal time out		
	Loss of DMX	Hold Last Value		
			Off After Delay	
		Display Mode	On Always	
	Display Config		Invert OFF	
		Display Invert	Invert ON	
			Invert Auto	
		Language Setting	English\Chinese	
	Townsometrum Unit	Celsius Degree		
	Temperature Unit	Fahrenheit Degree		
	Un-Link Wireless	Link Wireless Really Un-Link? Confirm or Cancel		
	Factory Defaults	Restore Defaults? Confirm or Cancel		
	Pan/Tilt Settings	Pan DMX Invert	OFF/ ON	
		Tilt DMX Invert	OFF/ ON	
		Pan Tilt Swap	OFF/ ON	
		XY Feedback	OFF/ ON	
Option Settings		Pan/Tilt mode	Speed/Time	Note: "Speed Mode" means Pan and Tilt will move from Point A to Point B at their respective maximum speeds. "Time Mode" means both Pan and Tilt will arrive at designated point at the same time. It's advised Time Mode be used if the projector runs circles or in oblique lines.
	Invart Cattings	Dimmer Invert	OFF/ ON	
	Invert Settings	ZOOM Invert	OFF/ ON	
	View DMX Values	Channel Value Strobe XXX Dimmer XXX Dimmer Fine XXX CYM Macro XXX Cyan XXX		

		Yellow XXX	
		Magenta XXX	
Information		CTO XXX	
Information		Color Wheel XXX	
		Color Wheel Fine XXX	
		Fixed Gobo Wheel XXX	
		Rot. Gobo Wheel 1 XXX	
		Rot. Gobo Rotation XXX	
		Rot. Gobo Rotation F. XXX	
		Prism1 XXX	
		Prism1 Rotation XXX	
		Prism2 XXX	
		Prism2 Rotation XXX	
		Focus XXX	
		Focus Fine XXX	
		Pan XXX	
		Pan Fine XXX	
		Tilt XXX	
		Tilt Fine XXX	
		Pan/Tilt Speed & Time XXX	
		_	
		Power/Special Fun. XXX	
	Lamp House	Lamp Hous=XXX H	
	Lamp Hours	Reset Lamp Hours	
	Total Hours	Total Hous ××××H	
		D' 1 D 1 -	
		Display Board=xxxC	
		Pan board=×××C	
	T	Tilt board=×××C	
	Temperature	Driver Board1=×××C	
		Driver Board 2=×××C	
		Head Sensor=×××C	
		PCB Board Sys Boot	
		Display Board xxx xxx	
	G 6 11 .	Pan board xxx xxx	
	Software Version	Tilt board xxx xxx	
		Driver Board 2 xxx xxx	
	Electronic SN	XXXXXX	
	Electronic ST (
	RDM Device Label	AQUA 580 Beam	
		ANSI E1.20 RDM	
		Fan Speed RSpeed	
		Lamp Fan1 xxx xxxx	
		Lamp Fan2 xxx xxxx	
	For Ctatur	_	
	Fan Status	Head Fan xxx xxxx	
		Gobo Fan xxx xxxx	
		Lamp T Fan xxx xxxx	
		Lamp R Fan xxx xxxx	
		X Axis: XXX	
		Y Axis: XXX	
	Acceleration Sensor		
		Z Axis: XXX	
		Position: XXX	
		Fan Error	
		Lamp Fan1 xxx	
		Lamp Fan2 xxx	
	Lamp Fan Error	Head Fan xxx	
	_	Gobo Fan xxx	
		Lamp T Fan xxx	
<u> </u>		Lamp R Fan xxx	
	Manual Effect Control	Strobe XXX	
		Dimmer XXX	
		Dimmer Fine XXX	

		1		T
		CYM Macro XXX		
		Cyan XXX		
		Cyan Fine XXX		
		Yellow XXX Yellow Fine XXX		
		Magenta XXX		
		Magenta Fine XXX		
		CTO XXX		
C		CTO Fine		
Service		Color Wheel XXX		
		Color Wheel Fine XXX		
		Fixed Gobo Wheel XXX		
		Rot. Gobo Wheel XXX		
		Rot. Gobo Wilce XXX Rot. Gobo Rotation XXX		
S		Rot. Gobo Rotation F. XXX		
6/		Prism 1 XXX		
0		Prism 1 Rotation XXX		
		Prism 2XXX		
		Prism 2 Rotation XXX		
		Focus XXX		
		Focus Fine XXX		
		Pan XXX		
1		Pan Fine XXX		
1		Tilt XXX		
		Tilt Fine XXX		
		Pan / Tilt Speed & Time XXX		
		-		
	Factory Mode	XXX		
	Tactory Wisac	722		
			•••	
		Change Operation Mode?		
	DMX Mode	Confirm or Cancel		
-				
		Preset Memory	Change Operation Mode?	
		Tresect Wichioly	Confirm or Cancel	
			Change Operation Mode?	
	Master Mode	User Memory 1	Confirm or Cancel	
			Committor Cancer	
		User Memory 2	Change Operation Mode?	
		Oser Memory 2	Confirm or Cancel	
Operation			01 0 2 35 10	
Mode		Preset Memory	Change Operation Mode?	
1			Confirm or Cancel	
			Change Operation Mode?	
1	Stand-Alone Mode	User Memory 1	Confirm or Cancel	
		User Memory 2	Change Operation Mode?	
		CSCI WICHOLY 2	Confirm or Cancel	
		Change Operation Mode?		
	Static Scene	Change Operation Mode? Confirm or Cancel		
		Committor Career		
				Strobe XXX
1				SHODE AAA
1				
1				Dimmer XXX
		Edit User Memory 1	(1~200Scenes)	
1		/	Scene XX	Dimmer Fine XXX
1		Edit User Memory 2	(1~200 Scenes)	CYM Macro XXX
				Cyan XXX
				Cyan Fine XXX
1				Yellow XXX
1				Yellow Fine XXX
				Magenta XXX
I.				

				Magenta Fine XXX
	Edit User Memory			CTO XXX
	-			CTO Fine XXX
User				Color Wheel XXX
Memories				Color Wheel Fine XXX
				Fixed Gobo Wheel XXX
				Rot. Gobo Wheel XXX
				Rot. Gobo Rotation XXX
				Rot. Gobo Rotation F. XXX
				Prism 1 XXX
				Prism 1 Rotation XXX
				Prism 2XXX
				Prism 2 Rotation XXX
				Focus XXX
				Focus Fine XXX
				Pan XXX
				Pan Fine XXX
				Tilt XXX
				Tilt Fine XXX
				D OTHE LOT WWW
				Pan & Tilt Speed & Time XXX
				Fade Time. XXX
				Hold Time XXX
				Delay unit XXX
				Link to Step XXX
			Strobe XXX	Link to Step 77721
			Dimmer XXX	
			Dimmer Fine XXX	
			CYM Macro XXX	
		Edit Static Scene	C TW Macio XXX Cyan XXX	
			Cyan Fine XXX	
			Yellow XXX	
			Yellow Fine XXX	
			Magenta XXX	
			Magenta Fine XXX	
			CTO XXX	
			CTO Fine XXX	
			Color Wheel XXX	
			Color Wheel Fine XXX	
			Fixed Gobo Wheel XXX	
			Rot. Gobo Wheel XXX Rot. Gobo Rotation XXX	
			Rot. Gobo Rotation XXX Rot. Gobo Rotation F. XXX	
			Prism 1 XXX	
			Prism 1 Rotation XXX	
			Prism 1 Rotation XXX Prism 2XXX	
			Prism 2 XXX Prism 2 Rotation XXX	
			Focus XXX	
			Focus Fine XXX	
			Pan XXX	
			Pan XXX Pan Fine XXX	
			Tilt XXX	
			Tilt Fine XXX	
			тің ғіне ала	
			Pan & Tilt Speed & Time	
			XXX	
		Paget Ugar Mamary 1	Reset User Memory?	
		Reset User Memory 1	Confirm or Cancel	
			D411 M 0	
	Init User Memory	Reset User Memory 2	Reset User Memory?	
		,	Confirm or Cancel	
		T	Reset Static Scene?	
		Reset Static Scene	Confirm or Cancel	
	<u> </u>	L		

Remarks: Lamp fan sensor is only used during lamp adjustment

Open: the lamp is affected by the lamp fan. If the lamp fan fails, the lamp won't be on.

Close: the lamp is not affected by the lamp fan. Even if the lamp fan is not installed, the lamp will be on, but Pan and Tilt are without force .

"Close" status is used only in emergency. If the lamp fan won't run for long, it will cause harm to the lamp.

After lamp adjustment, set the "lamp fan sensor as "Open" and activate total reset.

7. DMX PROTOCOL

Short mode	Standard mode	Extended Mode	FUNCTION	DMX	DESCRIPTION
				000-010	Close
				011-025	Open
1	1	1	Strobe	026-225	Strobe speed from slow to fast
				226-246	Random strobe from slow to fast
				247-255	Open
2	2	2	D'	000	Close
			Dimmer	001-255	Linear dimming (0-100%)
	3	3	Dimmer Fine	000-255	Dimmer in 16 bit
				000-016	White
				017-035	Yellow+ Magenta=Red
				036-054	Yellow
3	4	4	CYM Macro	055-073	Yellow +Cyan=Green
3	4	4	C I WI Macio	074-092	Cyan
				093-111	Cyan + Magenta= purple
				112-128	Magenta
				129-255	CYM color mixing from slow to fast
4	5	5	Cyan	000-255	Cyan (linear 0~100%)
		6	Cyan Fine	000-255	Cyan in 16 Bit
5	6	7	Yellow	000-255	Yellow (linear 0~100%)
		8	Yellow Fine	000-255	Yellow in 16 Bit
6	7	9	Magenta	000-255	Magenta (linear 0~100%)
		10	Magenta Fine	000-255	Magenta in 16 Bit
				000-005	No
7	8	11	СТО	006-024	Diffuser
				025-255	Linear CTO
		12	CTO Fine	000-255	CTO in 16 bit
				000-063	Indexing(0-360degrees)
				064-068	Color1(Red)
				069-073	Color2(Light Green)
				074-078	Color3(Blue)
8	9	13	Color Wheel	079-083	Color4(Cyan)
				084-088	Color5(Yellow)
				089-093	Color6(Magenta)
				094-098	Color7(Orange)
				099-103	Color8(Green)

				104-108	Color9(Dark Blue)
				109-113	Color10(UV)
				114-118	Color11(Light Yellow)
				119-123	Color12(Dark Yellow)
				124-127	White
				128-191	Rotation ,Clockwise from slow to fast
				192-255	Rotation, Anti-clockwise from fast to slow
	10	14	Color Wheel Fine	0000-255	Color Wheel in 16 Bit
	10	14	Color wheel time	0-8	White
			-	9–15	
			-		Gobo1
			-	16-22	Gobo2
				23-29	Gobo3
				30-36	Gobo4
				37-43	Gobo5
				44-50	Gobo6
				51-59	Gobo7
				58-64	Gobo8
				65-71	Gobo9
				72-78	Gobo10
				79–85	Gobo11
				86-92	Gobo12
				93-99	Gobo13
				100-106	Gobo14
				107-113	Gobo15
				114-120	Gobo16
9	11	15	Fixed Gobo	121-124	Gobo17
9	11	15	Wheel	125-127	Gobo18
				128-157	Clockwise rotation from slow to fast
				158-187	Anti Clockwise rotation from slow to fast
				188-191	Shake effect 1 from slow to fast
				192-195	Shake effect 2 from slow to fast
				196-199	Shake effect 3 from slow to fast
				200-203	Shake effect 4 from slow to fast
				204-207	Shake effect 5 from slow to fast
				208-211	Shake effect 6 from slow to fast
				212-215	Shake effect 7 from slow to fast
				216–219	Shake effect 8 from slow to fast
				220-223	Shake effect 9 from slow to fast
			224-227	Shake effect 10 from slow to fast	
				228-231	Shake effect 11 from slow to fast
				232-235	Shake effect 12 from slow to fast
				236-239	Shake effect 3 from slow to fast
			240-243	Shake effect 4 from slow to fast	
				244-247	
				Z 44 =Z41	Shake effect 15 from slow to fast

10					248-251	Shake effect 16 from slow to fast
10 12 16 Rotating Gobo White 016-031 Gobo 1 Gobo 1 Gobo 2 Gobo 4 Gobo 3 Gobo 5 Gobo 5 Gobo 6 Gobo 6						
10						
10 12 16 Rotating Gobo 128-156 Rotating Gobo 112-127 Gobo 7 Gobo 4 Gobo 5 Gobo 5 Gobo 5 Gobo 5 Gobo 6 Gobo 5 Gobo 6 Gobo 5 Gobo 6 Gobo 7 Gobo 6 Gobo 7 Gobo 7 Reverse Rotation (anti-clockwise From slow to Fast) Reverse Rotation (anti-clockwise From slow to 15-15-185 Reverse Rotation (anti-clockwise From slow to 15-15-185 Gobo 1 from slow to 15-15-185 Gobo Rotation Gobo Rotat						
10 12 16 Rotating Gobo Wheel						
10						
10 12 16 Rotating Gobo 112-127 Gobo 6 112-127 Gobo 6 112-127 Gobo 6 112-127 Gobo 7 128-156 Rotation (clockwise From slow to Fast) 157-185 Rotation (clockwise From slow to Fast) 157-185 Shake of Gobo 1 from slow to fast 196-205 Shake of Gobo 2 from slow to fast 216-225 Shake of Gobo 3 from slow to fast 226-235 Shake of Gobo 3 from slow to fast 226-235 Shake of Gobo 4 from slow to fast 226-235 Shake of Gobo 5 from slow to fast 226-235 Shake of Gobo 5 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fa						
10 12 16 Rotating Gobo 112-127 Gobo 6 112-127 Gobo 7 128-156 Rotation (Glockwise From slow to Fast) 157-185 Reverse Rotation (anti-clockwise From slow to Fast) 157-185 Shake of Gobo 1 from slow to fast 196-205 Shake of Gobo 2 from slow to fast 206-215 Shake of Gobo 3 from slow to fast 226-235 Shake of Gobo 3 from slow to fast 226-235 Shake of Gobo 3 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 5 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 7 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 226-235 Shake of Gobo 6 from slow to fast 229-188 Rotation (Anti-Clockwise From slow to Fast) 229-188 Rotation (Anti-Clockwise From slow to Fast) 228-255 Prism 2 228-255 Prism 3 228-255						
112 16						
10						
157-185						
157-185	10	12	16	Rotating Gobo	128-156	
196-205 Shake of Gobo 2 from slow to fast 206-215 Shake of Gobo 3 from slow to fast 216-225 Shake of Gobo 4 from slow to fast 226-235 Shake of Gobo 5 from slow to fast 236-245 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 6 from slow to Fast 246-255 Shake of Gobo 6 from slow to Fast 246-255 Shake of Gobo 6 from slow to Fast 246-255 Shake of Gobo 6 from slow to Fast 246-255 Shake of Gobo 6 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shop 2 246-255 246-255 Shop 2 246-255 Sho				w neel I	157-185	
206-215 Shake of Gobo 3 from slow to fast 216-225 Shake of Gobo 4 from slow to fast 226-235 Shake of Gobo 4 from slow to fast 226-235 Shake of Gobo 5 from slow to fast 236-245 Shake of Gobo 6 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255 Shake of Gobo 7 from slow to Fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255 Shake of Gobo 7 from slow to fast 246-255 Shake of Gobo 7 from slow to Fast 246-255 Stop 246-255					186-195	Shake of Gobo 1 from slow to fast
216-225 Shake of Gobo 4 from slow to fast					196-205	Shake of Gobo 2 from slow to fast
11					206-215	Shake of Gobo 3 from slow to fast
11 13					216-225	Shake of Gobo 4 from slow to fast
11 13 17 Gobo Rotation 129-191 Rotation (Clockwise from slow to fast 129-191 Rotation (Anti-Clockwise from slow to fast 128-255 Prism2 128-255 Prism2 128-255 Prism2 129-191 Rotation(Clockwise from slow to fast 129-191 Rotation(Anti-Clockwise from slow to fast 128-255 Prism3 Pris					226-235	Shake of Gobo 5 from slow to fast
11					236-245	Shake of Gobo 6 from slow to fast
12					246-255	Shake of Gobo 7 from slow to fast
11					000-128	Gobo Indexing(0~540degrees)
189-195 Stop 196-255 Rotation (Anti-Clockwise Fromslow to Fast) 14	11	13	17	Gobo Potetion	129-188	Rotation (Clockwise From slow to Fast)
14	11			GODO KORITOR	189-195	Stop
14					196-255	Rotation (Anti-Clockwise From slow to Fast)
12		14	18		000-255	Gobo Rotation in 16 Bit
128-255 Prism2					000-016	Open
13	12	15	19	Prism 1	017-127	Prism1
128					128-255	Prism2
13					000-127	Prism Indexing
192 Stop					128	Stop
193-255 Rotation(Anti-Clockwise from slow to fast)	13	16	20	Prism1 Rotation	129-191	Rotation(Clockwise from slow to fast)
14					192	Stop
14 17 21 Prism 2 017-127 Prism 3 128-255 Frost in 000-127 Prism 2 Indexing 128 Stop 129-191 Rotation(Clockwise from slow to fast) 192 Stop 193-255 Rotation(Anti-Clockwise from slow to fast) 16 19 23 Focus 000-255 Linear focus 20 24 Focus Fine					193-255	Rotation(Anti-Clockwise from slow to fast)
128-255 Frost in					000-016	White
15	14	17	21	Prism 2	017-127	Prism3
128					128-255	Frost in
15 18 22 Prism2 Rotation 129-191 Rotation(Clockwise from slow to fast) 192 Stop 193-255 Rotation(Anti- Clockwise from slow to fast) 16 19 23 Focus 000-255 Linear focus 20 24 Focus Fine 000-255 Focus in 16 bit precision					000-127	Prism2 Indexing
192 Stop 193-255 Rotation(Anti- Clockwise from slow to fast) 16 19 23 Focus 000-255 Linear focus 20 24 Focus Fine 000-255 Focus in 16 bit precision					128	Stop
193-255 Rotation(Anti-Clockwise from slow to fast) 16	15	18	22	Prism2 Rotation	129-191	Rotation(Clockwise from slow to fast)
193-255 Rotation(Anti-Clockwise from slow to fast) 16					192	Stop
16 19 23 Focus 000-255 Linear focus 20 24 Focus Fine 000-255 Focus in 16 bit precision					193-255	-
20 24 Focus Fine Focus in 10 oit precision	16	19	23	Focus	000-255	
17 21 25 Pan 000-255 Pan(0 \(^-540\)		20	24	Focus Fine	000-255	Focus in 16 bit precision
	17	21	25	Pan	000-255	Pan(0 ~540 °)

18	22	26	Pan Fine	000-255	Pan in 16 bit
19	23	27	Tilt	000-255	Tilt(0 ~270 °)
20	24	28	Tilt Fine	000-255	Tilt in 16 bit
21	25	29	Pan & Tilt Speeds	000-255	Pan & Tilt Speed from Fast to Slow
				000-019	Reserved
					MX range for more than 5S to activate the following over-off, the following are invalid.
				020-024	Graphic Display On
				025-029	Graphic Display Off
				030-034	Reserved
				035-039	Lamp ECO Power
				040-044	Lamp Full Power
				045-089	Reserved
				090-094	Pan & Tilt Speed Mode
				095-099	Pan & Tilt Time Mode
22	26	30	Control	100-129	Reserved
	20		Con	130-139	Lamp On
				140-149	Pan & Tilt Reset
				150-159	Color System Reset
				160-169	Gobo Wheel Reset
				170-179	Dimmer/Shutter Reset
				180-189	Zoom/Frost/Focus/Prism Reset
				190-199	Reserved
				200-209	Total Reset
				210-229	Reserved
				230-239	Lamp Off
				240-255	Reserved

- 1. The projector can't be turned on within 1 minute after the lamp-off. 2. Fan error can cause lamp-off.

8. SIGNS ON THE TOUCH SCREEN

	Lamp comtrol		Option Settings
F	Chinese-English		Information
<u> </u>	Error messages	59	Service
	Address	8=	Operation Mode
5	Reset		User Memories
Figure	Config Settings		

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	Туре	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
Cyan	Timeout	Check if wiring, positioning parts and motors are normal
Yellow	Timeout	Check if wiring, positioning parts and motors are normal
Magenta	Timeout	Check if wiring, positioning parts and motors are normal
СТО	Timeout	Check if wiring, positioning parts and motors are normal
Color Wheel	Timeout	Check if wiring, positioning parts and motors are normal
Fixed gobo wheel	Timeout	Check if wiring, positioning parts and motors are normal
Rot. Gobo Wheel	Timeout	Check if wiring, positioning parts and motors are normal
Rot. Gobo1Rotation	Timeout	Check if wiring, positioning parts and motors are normal
Dimmer	Timeout	Check if wiring, positioning parts and motors are normal
Prism 1	Timeout	Check if wiring, positioning parts and motors are normal
Prism 1 Rotation	Timeout	Check if wiring, positioning parts and motors are normal
Prism 2	Timeout	Check if wiring, positioning parts and motors are normal
Prism 2 Rotation	Timeout	Check if wiring, positioning parts and motors are normal
Frost	Timeout	Check if wiring, positioning parts and motors are normal
Focus	Timeout	Check if wiring, positioning parts and motors are normal
Lamp Fan1	Error	Check if fan and its wiring are normal
Lamp Fan2	Error	Check if fan and its wiring are normal
CMY Fan	Error	Check if fan and its wiring are normal
Head Fan1	Error	Check if fan and its wiring are normal
Head Fan 2	Error	Check if fan and its wiring are normal
Head Chamber Fan	Error	Check if fan and its wiring are normal
Pan and Tilt Board	Error	Check signal wire
Driver Board 1	Error	Check signal wire
Driver Board2	Error	Check signal wire
Acceleration Sensor	Error	Check signal wire
Lamp on	Timeout	Check if he lamp is damaged
Lamp Life	Timeout Warning	
Lamp Off[Fan Error]	Error	Check if all fans are normal
Lapsed Time	Timeout	
Time IC	Error	
Lapsed time	X days	
Use hours Setting	successfully	

ELECTRIC PARAMETERS

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

Input Power 800W @ 220V

Current at Maximum 8A

Power factor: PF > 0.9

LAMP SPECIFICATIONS

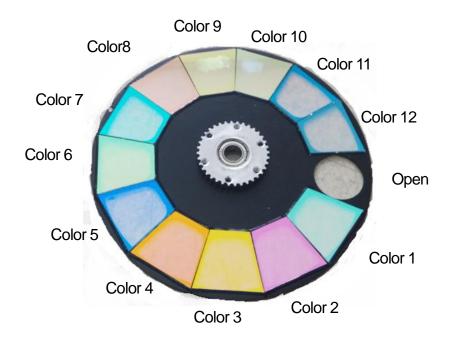
Lamp PHILIPS MSD Platinum 25 R

Color Temperature 7800

Manufacturers Rated Lamp Life 1500hours

COLORS

1 Color wheel: 12colors+ Open, rainbow effect with bi-directional and variable speeds, Stepping/linear color changing



No.	Code No.	Colors
1	092550001A	Red
2	092550002 A	Light Green
3	092550003 A	Blue
4	092550004 A	Cyan
5	092550005 A	Yellow
6	092550006 A	Magenta
7	092550007 A	Orange
8	092550008 A	Green
9	092550009 A	Dark Blue
10	092550010 A	UV
11	090072333	Gold
12	090071258	Dark Yellow

INDEPENDENT CTO SYSTEM

Linear CTO system

FIXED GOBO WHEEL

1 Fixed gobo wheel: 18 gobos +Open

Bi-directionally rotatable, and shakable at variable speeds

Gobo2	Gobo3	Gobo4	Gobo5	Gobo6	Gobo7
O					0
Gobo9	Gobo10	Gobo11	Gobo12	Gobo13	Gobo14
			8		
Gobo16	Gobo17	Gobo18			
	Gobo9	Gobo9 Gobo10 Gobo16 Gobo17	Gobo9 Gobo10 Gobo11 Gobo16 Gobo17 Gobo18	Gobo16 Gobo17 Gobo18 Gobo18	Gobo16 Gobo17 Gobo18 Gobo18 Gobo16 Gobo17 Gobo18

ROTATING GOBO WHEEL

1 Rotating gobo wheel:

7Interchangeable Gobos +Open

Bi-directionally rotatable, and shakable at variable speeds

Gobo1	Gobo 2	Gobo 3	Gobo 4	Gobo 5
Gobo 6	Gobo 7			

Replaceable, Gobo diameter: Φ 22.5mm ,Gobo image diameter: Φ 12mm

PRISM/FROST

Gobo

3 pcs of prisms which can be overlapped (8 facet circular prism+ 4facet linear prism) (16 facet circular prism+ frsot) And other optional prisms

FOCUS

DMX linear Focus

DIMMER/STROBE

0-100% Linearly adjustable/ Double shutter blades, 0.3~25 F.P.S

HEAD MOVEMENT

Pan 540 °, Tilt 270 °with auto position correction

BEAM ANGLE

Beam angle 2°

CONTROL

DMX512, 5-pin interfaces(Optional 3-pin)

22channels in short mode, 26channels in standard mode, 30channels in extended mode

Self-test mode

OTHER FUNCTIONS

Adjustable Pan & Tilt speeds

Lamp's and fixture's hours displayed

Modular Structure for easy maintenance

DMX512 wireless receiever (Option)

Optional DMX512 Wireless Transmitter (Option)

Network function (Option)

HOUSING

Cast Aluminum and high temperature and UV resistant ABS, IP66

NET WEIGHT:

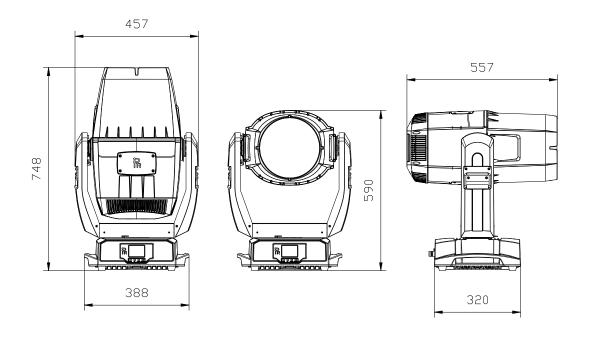
39.8 Kg

WORK TEMPERATURE

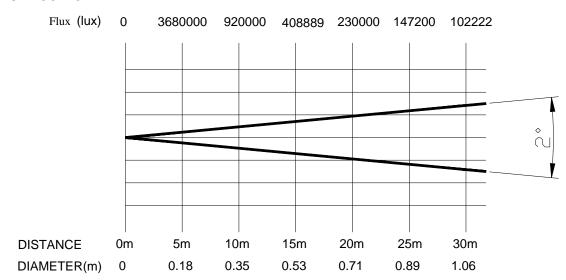
Maximum ambient temperature: 45 $^{\circ}\mathrm{C}$

For a waterproof fixture: if the ambient temperature is minus 20 Celsius, strike the lamp to pre-heat for 10minutes and reset it again.

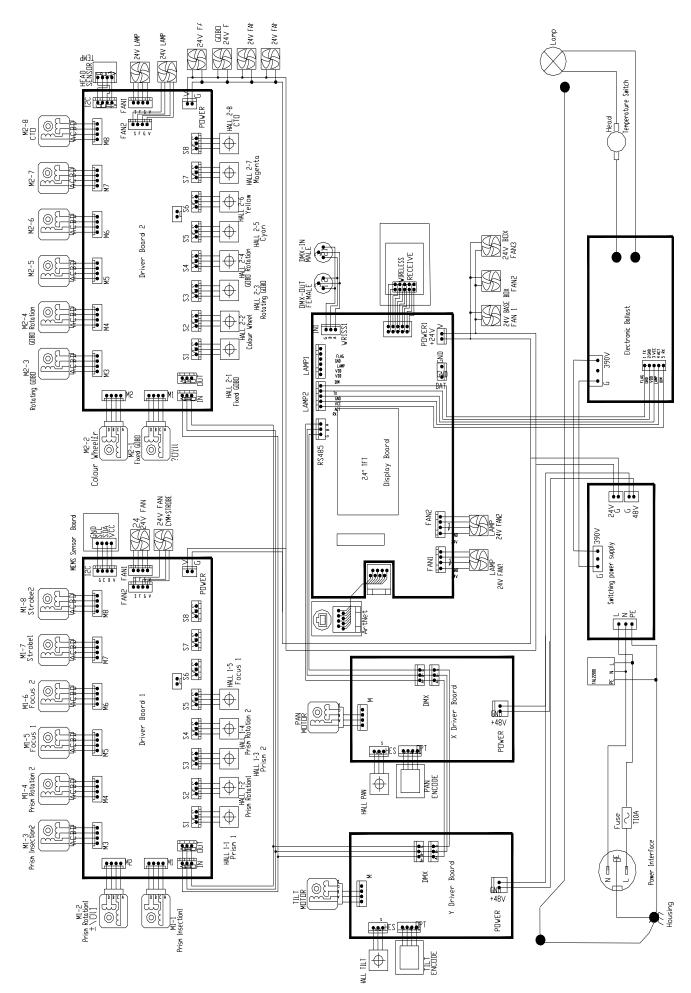
SIZES



LIGHT OUTPUT

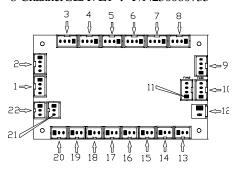


10. CIRCUIT DIAGRAM AND PCB CONNECTIONS . CIRCUIT DIAGRAM

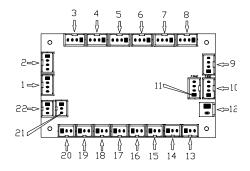


.PCB CONNECTIONS

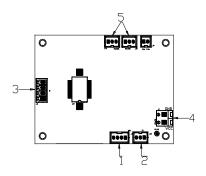
8-Channel SLAVE1 : P/N230060735



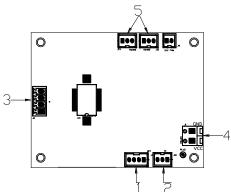
8-CHANNLE SLAVE2: P/N230060736



X BOARD: P/N230060722



Y BOARD: P/N230060729



	8 Channel Driver Board 1						
1	M1-1 Motor	24V Input					
2	M1-2 Motor	13	Reserved				
3	M1-3 Motor	14	Reserved				
4	M1-4 Motor	15	HALL1-6Magnet Sensor				
5	M1-5 Motor	16	HALL1-5 Magnet Sensor				
6	M1-6 Motor	17	HALL1-4 Magnet Sensor				
7	M1-7 Motor	18	HALL1-3 Magnet Sensor				
8	M1-8 Motor	19	HALL1-2 Magnet Sensor				
9	MEMS Sensor Board	20	HALL1-1 Magnet Sensor				
10	Lamp Fan1	21	Signal output				
11	Lamp Fan2	22	Signal input				

	8 Channel Driver Board 2						
1	M2-1 Motor	12	24V Input				
2	M2-2 Motor	13	Reserved				
3	M2-3 Motor	14	HALL2-7 Magnet Sensor				
4	M2-4 Motor	15	HALL2-6 Magnet Sensor				
5	M2-5 Motor	16	HALL2-5 Magnet Sensor				
6	M2-6 Motor	17	HALL2-4 Magnet Sensor				
7	M2-7 Motor	18	HALL2-3 Magnet Sensor				
8	Reserved	19	HALL2-2 Magnet Sensor				
9	Thermal Sensor	20	HALL2-1 Magnet Sensor				
10	CYM Fan	21	Signal output				
11	Ceramic stand fan	22	Signal input				

Pan Board				
1	Optical sensor			
2	SX magnetic sensor			
3	Pan Motor			
4	48V power input			
5	Signal			

	Tilt Board					
1	Tilt Encoder					
2	SY magnetic sensor					
3	Tilt Motor					
4	48V power input					
5	Signal					

12. COMPONENT ORDER CODES

NAME	PART NO.	QTY.	REMARKS
STEPPER MOTOR	030040121A	2	
STEPPER MOTOR	030040221C	4	
STEPPER MOTOR	030040224C	1	
SCREWMANDREL MOTOR (WITH NUT)	030040243A	2	
STEPPER MOTOR	030040246B	1	
STEPPER MOTOR	030040254A	3	
STEPPER MOTOR 181123	030040277	2	
STEPPER MOTOR 190918	030040278	1	
STEPPER MOTOR 191028	030040284	1	
STEPPER MOTOR 200821	030040292	1	
BLOWER	030060075	3	
4 WIRE FAN	030060106	1	
FG FAN (SUNON)	030060113	1	
FG+PWM WATERPROOF FAN	030060116	1	
FG+PWM FAN 180820	030060117	7	
BALLAST	040070141	1	
LAMP	100070049	1	
ROTATING GOBO WHEEL ACCESSORY	120110974A	1	
COLOR WHEEL ACCESSORY	120110973	1	
FIXED GOBO WHEEL ACCESSORY	120110975B	1	
SWITCHING POWER SUPPLY	192010223	1	

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PR lighting will try its best to offer accurate and overall information about a product's technical data. Any changes won't be notified if necessary. Patented Products. Counterfeiting Will be Prosecuted!

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