

XR 1400 Wash PR-2735

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	2	Pcs	
User manual	1	Pc	
$\Omega$ 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 is 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.

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

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.

# 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	Electrical	Goggles	Protective	Flames	High
	Manual	shock		Gloves		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  $45^{\circ}$ C.After stable operation , its temperature is  $80^{\circ}$ 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 combustible items and the minimum distance between the projector and illuminated items is 10m.

•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.

#### 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.

The accumulation of oil, smoke and dust on the lens will compromise the light output. Cleaning a projector is very necessary to ensure a reliable use of it. Cooling fans need to be cleaned every 15days. Internal lens, reflector and hot mirror 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. 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.

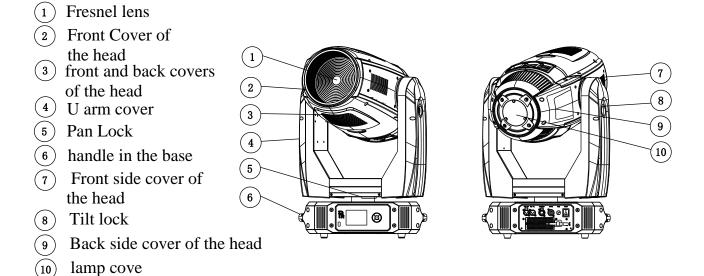
# **LUBRICATION**

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(Details vary with different projectors)

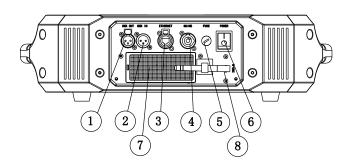
PROBLEM	ACTION
The projector doesn't switch on	<ul> <li>Check the fuse on the power socket.</li> </ul>
The projector doesn't switch on	<ul> <li>Check the lamp.</li> </ul>
The lamp is on but the projector doesn't respond	Make sure that the fixture's start address is right
to the controller	Replace or repair the XLR signal cable.
The projector functions intermittently	Make sure the fan is working well or fans and their shields are not blocked
Doom onnoors dim Low in brightnoos	Make sure the lamp is within its lifespan
Beam appears dim, Low in brightness	Remove dust or grease from the lenses.
The project image appears to have a halo	<ul> <li>Carefully clean the lamp, optical lenses and other components.</li> </ul>
Haarrik Defective Deem	<ul> <li>Check if lens are in good condition(not cracked)</li> </ul>
Heavily Defective Beam	<ul> <li>Clean dust or grease on the lens.</li> </ul>

# 3. APPEARANCE

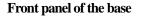


During transportation, the head should be locked-Pan lock (5) and Tilt Lock(6) should be in LOCK position. Before operation, both need to be unlocked.

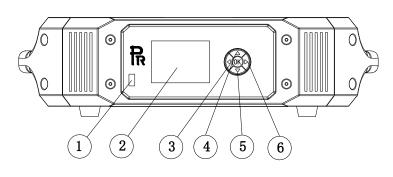
#### .Back panel of the base



- (1) 3-pin XLR socket(Female)
- (2) 3-pin XLR socket(Male)
- (3) Ethernet Port
- (4) Power socket
- 5 Fuse holder
- 6 Power switch
- (7) Air inlet
- 8 Wireless Receiver(Only for the lighting fixture with wireless control function)



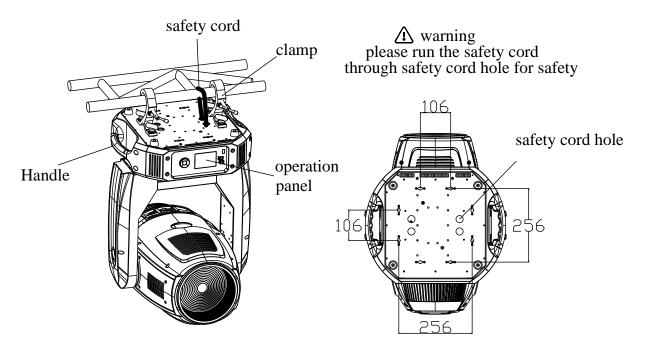
- (1) USB interface
- (2) Touch screen
- 3 Escape key/ left key
- (4) up key
- 5 down key
- 6 right key



# 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

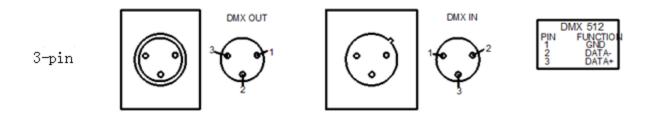
Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.

**Note:** If projectors are connected in series, please connect POWERIN port of the  $1^{st}$  projector with the Power Mains, then connect its POWER OUT with POWER IN of the  $2^{nd}$  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 2.5mm<sup>2</sup>.



•The earth wire(yellow/green) must be connected to the ground. And electrical connection must be in accordance with the standards concerned.

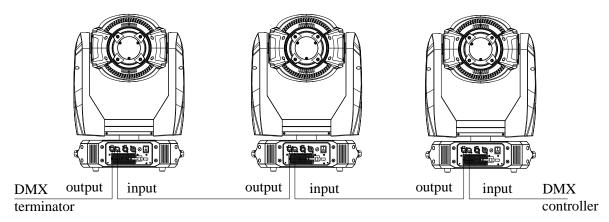
If any questions about the electrical installation, do not continue but consult a qualified electrician.



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 3 pin (which are included with the projector) or 3 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).

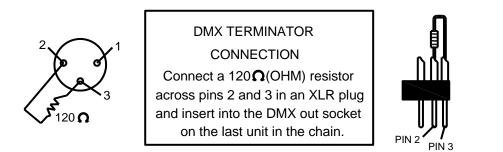
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



#### **•DMX TERMINATOR**

In the Controller mode, at the last 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  $120\Omega$  (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.

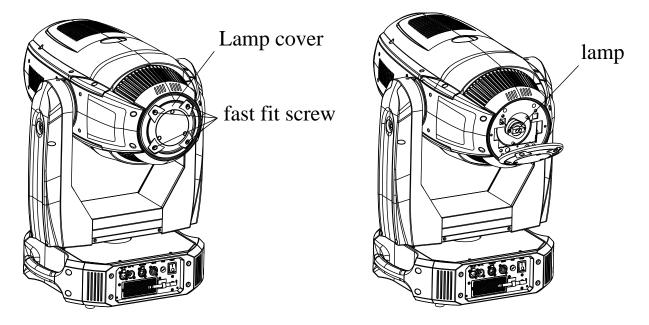


#### •ALIGNMENT/INSTALLATION/REPLACEMENT OF A LAMP

Before installation/replacement/alignment of a lamp, disconnect the unit from the power and let it cool first. Lock Tilt in the figure below and open the lamp cover after its 4 screws are loosened. After removal of the lamp cover, turn the lamp anti-clockwise and take it out of the ceramic stand.. Insert a new lamp. Note: while placing a new lamp, do not touch the burner of the lamp with bare hands, otherwise the light output will be compromised.

Fasten the 4 fast-fit screws after the lamp cover is on

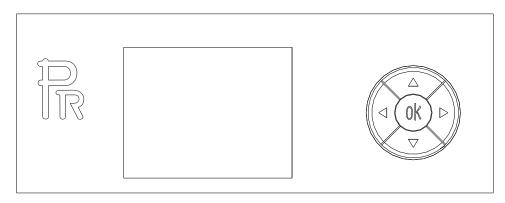
Important: The unit uses high voltage discharge lamp with external igniter (E). While using the lamp, please carefully read "INSTRUCTIONS" packed with the lamp.





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. While lamp's installation, do not damage the metal wire around the burner.
Please read "Instructions " enclosed with the lamp
Do operate the projector while adjusting the lamp

## 5. SETUP AND CONFIGURATION •FRONT PANEL OPERATION



The projector configuration can be set conveniently via push buttons and color touch screen.

To browse through or change the projector 's settings, touch the white area of the touch screen or press OK button for more than  $3s(Only \text{ powered by the battery, pressing the OK button) to unlock the screen , then press <math>\blacktriangleright$  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<sup>th</sup> point "Operation Menu":

- 1. At the page to set the fixture's functions, press  $\blacksquare$ ,  $\blacktriangleright$ ,  $\blacksquare$ ,  $\blacksquare$ , keys or their respective icons to select the functions desired.
- 2. While at  $2^{nd}$ ,  $3^{rd}$  and  $4^{th}$  level of menus, the key is for ESCAPE, but key won't work, and OK key is used for ENTER. Press OK key to save the changes or enter into the sub menus. Press or keys to change the numbers(minus or plus). Or touch the option needed for change.

Shortcut keys: After the Function Menu is entered into, there are all options for the functions on the top of the screen. On the right there are 4 shortcut keys like Lamp Control and English/Chinese.

### 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 19 channels, so set the No. 1 projector's address 001, No. 2 projector's address 020, No. 3 projector's address 039,No. 4 projector's address 058, and so on.

Switch on the Projector . Press OK key more than 3 seconds to unlock panel, then press  $\blacktriangleright$  key to enter into the fixture's operation menus.

Select DMX Address icon and press OK key or touch the icon directly on the display and select DMX address at the 2<sup>nd</sup> level menu for the address setting.

Press  $\blacktriangle$  or  $\bigtriangledown$  keys or touch<, >displayed for the DMX address desired.

Press OK key to confirm.

Press the 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  $\overline{OK}$  for more than 3s to unlock the control panel, then press  $\blacktriangleright$  key to enter into the operation menu and select "Config Settings".
- 2. Select "Wireless First" or "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 Settings, then the fixture is unlinked with the wireless transmitter.

#### •STAND-ALONE MODE

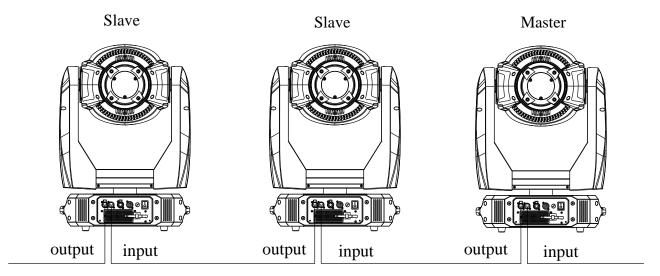
Operate the projector without connecting with a controller, enable the master mode through the operation panel, the projector will run in Stand-Alone mode automatically. DMX address can be set at any number within 512.

#### •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 projectors are connected in this way. Eventually connect the last fixture's DMX output to a DMX terminator. Set 1<sup>st</sup> 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
DMX Address		1-512		
	IP Address	Default IP Address	2.X.X.X/10.X.X.X	
Address	II Address	Custom IP Address	X.X.X.X	
	SubNet Mask	X.X.X.X		
	ArtNet Universe	0-255		
	Total Reset	Really Reset?		
	Pan&Tilt Reset	Really Reset?		
Reset	Colour System Reset	Really Reset?		
-	Dimmer/Shutter reset	Really Reset?		
	Zoom reset	Really Reset?		
		Short Mode		
	DMX Channel Mode	Standard Mode		
	Diving Chamiler Widde	Extended Mode		
		View Selected Mode Lamp Control	OFF/ ON	
	-	On By Power On	OFF/ ON OFF/ ON	
	Lamp Control	Control By DMX	OFF/ ON	
		Lamp Power	1200/ 1400	
Γ				
		XLR Only		
	Signal Select	XLR First		
	-	Wireless Only		
	-	Wireless First		
		Wireless In/XLR Out		
	Loss of DMX	Normal time out		
		Hold Last Value		
Config Sottings			Off After Delay	
Config Settings			On Alter Delay	
		Display Mode		
			On Always	
	-			
			Invert OFF	
	Display Config	Display Invert	Invert ON	
		Display Invert	Invert Orv	
			Invert Auto	
	4		English	
		Language Setting	English	
		Language Setting	Chinese	
	-			
F		Touch Calibration		
	Temperature Unit	Celsius Degree		
	_	Fahrenheit Degree		
	Un-Link Wireless	Really Un-Link?		
	Defaults	Restore Defaults?	077/03-	
	F	Pan DMX Invert	OFF/ ON	
		Tilt DMX Invert	OFF/ ON	
	Pan/Tilt Settings	Pan Tilt Swap	OFF/ ON	
Option Settings	F	XY Feedback	OFF/ ON	
- Paon Dounigo		Pan/Tilt mode	Speed/Time	
	F	Dimmer Invert	OFF/ ON	
	Invert Settings	Zoom Invert	OFF/ ON	
	mvon soumes	CMY Invert	OFF/ ON	
		CTO Invert		

	Dimmer Curve	Linear/inverse Square Law		
	Defaults	Restore Defaults?		
	View DMX Values			
	Lamp Hours	Reset Lamp Hours		
	Total Hours			
Information	Temperature			
mornauon	Software Version			
	Electronic SN			
	RDM Device Label			
	Fan Status			
	Encoder			
		Strobe XXX		
	Manual Effect Control	Dimmer XXX		
Service				
Bervice			Pan XXX	
	Position Calibrations	Input Password	Tilt XXX	
	Product type	Input Password		
	USB Update Software			
	DMX Mode	Change Operation Mode?		
		Preset Memory	Change Operation Mode?	
	Master Mode	User Memory 1	Change Operation Mode?	
Operation Mode		User Memory 2	Change Operation Mode?	
	Stand-Alone Mode	Preset Memory User Memory 1	Change Operation Mode? Change Operation Mode?	
	Stand-Alone Mode	User Memory 2	Change Operation Mode?	
	Static Scene	Change Operation Mode?	Charge Operation Wode.	
				Strobe XXX
				Dimmer XXX
		Edit User Memory 1	Scene XX	
		Edit User Memory 2	(1~200 Scenes)	Delay Time XXX
	Edit User Memory			Delay Unit
User			Strobe XXX	Link To Step XXX
Memories		Edit Static Scene	Dimmer XXX	
ľ		Reset User Memory 1	Reset User Memory?	
	Init User Memory	Reset User Memory 2	Reset User Memory?	
		Reset Static Scene	Reset Static Scene?	

# 7.DMX PROTOCOL

Inde         Inde <thinde< th="">         Inde         Inde         <thi< th=""><th>Basic mode</th><th>Standard</th><th>Extended</th><th>Function</th><th>DMX Value</th><th>Function Description</th></thi<></thinde<>	Basic mode	Standard	Extended	Function	DMX Value	Function Description
1         1         1         Stobe		mode	mode			
1     1     1     Snoke     011-025     Open       026-225     Stroke speed from slow' to fist       226-346     Macro effect       247-255     Open       2     2     2     Dimmer       3     3     Dimmer in 16bit     000-255     Dimmer Fine       3     4     4     CMY macro     000-007     Reserved       3     4     4     CMY macro     000-007     Reserved       014-015     Colour Macro 1     010-011     Colour Macro 3       014-015     Colour Macro 3     014-015     Colour Macro 3       014-015     Colour Macro 4     016-017     Colour Macro 4       016-017     Colour Macro 5     018-019     000-027       022-023     Colour Macro 1     000-027     Colour Macro 1       022-023     Colour Macro 1     020-021     Colour Macro 1       022-023     Colour Macro 1     022-023     Colour Macro 1       022-023     Colour Macro 1     023-033     Colour Macro 1       023-033     Colour Macro 1     036-037     032-033       034-035     Colour Macro 15     036-039     Colour Macro 16       040-041     Colour Macro 13     03-03     04-04-04       036-037     Colour Macro 16 </td <td></td> <td></td> <td></td> <td></td> <td>000-010</td> <td></td>					000-010	
1         1         1         026-225         Stobe speed from slow' to fisst           2         2         2         Dimmer         000-000         Close           2         2         2         Dimmer         000-000         Close           3         3         Dimmer in 16 bit         000-255         Dimmer from dark to light (0-100%)           3         4         4         CMY macro         000-007         Reserved           3         4         4         CMY macro         000-007         Reserved           010-011         Colour Macro 1         010-011         Colour Macro 1           012-013         Colour Macro 2         012-013         Colour Macro 1           012-013         Colour Macro 3         014-015         Colour Macro 4           012-013         Colour Macro 4         016-017         Colour Macro 4           012-013         Colour Macro 10         024-025         Colour Macro 10           022-023         Colour Macro 10         022-023         Colour Macro 10           028-029         Colour Macro 13         036-037         Colour Macro 13           034-035         Colour Macro 15         038-039         Colour Macro 16           044-045         Colo				Strobe	011-025	
2         0         000-000         Close           3         3         3         3         Dimmer in 16 bit         000-255         Dimmer from dark to light (0-100%)           3         4         4         CMY macro         000-007         Reserved           010-011         Colour Macro 1         010-011         Colour Macro 1           012-013         Colour Macro 3         014-015         Colour Macro 4           016-017         Colour Macro 4         016-017         Colour Macro 4           016-017         Colour Macro 5         018-019         Colour Macro 1           024-025         Colour Macro 10         028-029         Colour Macro 12           032-033         Colour Macro 15         038-039         Colour Macro 16           040-041         Colour Macro 16         040-041         Colour M	1	1	1			
2         2         2         2         Dmmer         000-000         Close           3         3         3         Dimmer in 16 bit         000-255         Dimmer from dark to Eight (0-100%)           3         3         3         Dimmer in 16 bit         000-255         Dimmer Fine           3         4         4         CMY macro         000-007         Reserval           010-011         Colour Macro 1         010-011         Colour Macro 1           010-012         Colour Macro 3         014-015         Colour Macro 3           014-015         Colour Macro 4         016-017         Colour Macro 4           016-017         Colour Macro 5         018-019         Colour Macro 6           020-021         Colour Macro 6         020-021         Colour Macro 1           030-031         Colour Macro 10         028-029         Colour Macro 11           030-031         Colour Macro 11         030-031         Colour Macro 11           032-032         Colour Macro 15         038-039         Colour Macro 16           040-041         Colour Macro 16         040-041         Colour Macro 17           042-043         Colour Macro 17         042-043         Colour Macro 18           044-045						
2         2         2         Dimmer         000-000         Close           001-255         Dimmer from dark to light (0-100%)         000-255         Dimmer from dark to light (0-100%)           3         3         Dimmer in 16 bit         000-255         Dimmer Fine           3         4         4         CMY macro         000-007         Reserved           010-011         Colour Macro 1         010-011         Colour Macro 2           012-013         Colour Macro 3         014-015         Colour Macro 3           014-015         Colour Macro 5         018-019         Colour Macro 4           016-017         Colour Macro 5         018-019         Colour Macro 5           018-019         Colour Macro 6         020-021         Colour Macro 6           020-021         Colour Macro 7         022-023         Colour Macro 10           028-029         Colour Macro 11         030-031         Colour Macro 11           030-031         Colour Macro 13         03-031         Colour Macro 14           036-037         Colour Macro 14         03-031         04-04-04           044-045         Colour Macro 16         04-04-04         04-04-04           042-043         Colour Macro 21         036-037						
001-255         Dimmer from dark to light (0-100%)           3         3         Dimmer in 16 bit         000-255         Dimmer Fine           3         4         4         CMY macro         000-007         Reserved           010-011         Colour Macro 1         010-011         Colour Macro 2           010-011         Colour Macro 3         014-015         Colour Macro 3           016-017         Colour Macro 6         020-021         Colour Macro 6           020-021         Colour Macro 6         020-021         Colour Macro 6           020-021         Colour Macro 6         020-021         Colour Macro 6           020-021         Colour Macro 10         026-027         Colour Macro 10           024-025         Colour Macro 10         020-021         Colour Macro 11           030-031         Colour Macro 12         030-031         Colour Macro 12           030-031         Colour Macro 13         034-035         Colour Macro 14           036-037         Colour Macro 16         040-041         Colour Macro 17           042-043         Colour Macro 19         046-047         Colour Macro 19           046-047         Colour Macro 21         050-051         Colour Macro 23           058-059	2	2	2	Dimmer		
3         3         Dimmer in 16 bit         000-255         Dimmer Fine           3         4         4         CMY macro         000-007         Reserved           008-009         Colour Macro 1         010-011         Colour Macro 2           012-013         Colour Macro 3         014-015         Colour Macro 4           016-017         Colour Macro 5         018-019         Colour Macro 6           020-021         Colour Macro 6         020-021         Colour Macro 6           020-022         Colour Macro 6         020-022         Colour Macro 10           028-029         Colour Macro 10         028-029         Colour Macro 11           030-031         Colour Macro 11         030-031         Colour Macro 12           032-033         Colour Macro 13         034-035         Colour Macro 14           036-037         Colour Macro 16         040-041         Colour Macro 17           042-043         Colour Macro 17         042-043         Colour Macro 18           044-045         Colour Macro 17         042-043         Colour Macro 17           042-043         Colour Macro 21         050-051         Colour Macro 21           050-051         Colour Macro 23         054-055         Colour Macro 24         <	2	2	2	Diffine		
008-009         Colour Macro 1           010-011         Colour Macro 2           012-013         Colour Macro 3           014-015         Colour Macro 4           016-017         Colour Macro 5           018-019         Colour Macro 6           020-021         Colour Macro 7           022-023         Colour Macro 7           022-023         Colour Macro 7           022-024         Colour Macro 9           024-025         Colour Macro 9           026-027         Colour Macro 10           028-029         Colour Macro 11           030-031         Colour Macro 12           032-033         Colour Macro 13           034-035         Colour Macro 14           036-037         Colour Macro 15           038-039         Colour Macro 16           040-041         Colour Macro 16           044-045         Colour Macro 19           044-045         Colour Macro 19           044-045         Colour Macro 20           048-049         Colour Macro 21           050-051         Colour Macro 23           054-055         Colour Macro 24           056-057         Colour Macro 25           058-059         Colour		3	3	Dimmer in 16 bit		
010-011         Colour Macro 2           012-013         Colour Macro 3           014-015         Colour Macro 4           016-017         Colour Macro 5           018-019         Colour Macro 6           020-021         Colour Macro 7           022-023         Colour Macro 7           022-023         Colour Macro 8           024-025         Colour Macro 10           028-029         Colour Macro 11           030-031         Colour Macro 11           030-031         Colour Macro 13           032-033         Colour Macro 13           034-035         Colour Macro 14           036-037         Colour Macro 15           038-039         Colour Macro 16           040-041         Colour Macro 18           044-045         Colour Macro 19           045-047         Colour Macro 20           048-049         Colour Macro 21           050-051         Colour Macro 23           054-055         Colour Macro 24           056-057         Colour Macro 26           060-061         Colour Macro 27	3	4	4	CMY macro	000-007	Reserved
012-013       Colour Macro 3         014-015       Colour Macro 4         016-017       Colour Macro 5         018-019       Colour Macro 6         020-021       Colour Macro 7         022-023       Colour Macro 7         022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 26         060-061       Colour Macro 27					008-009	Colour Macro 1
014-015       Colour Macro 4         016-017       Colour Macro 5         018-019       Colour Macro 6         020-021       Colour Macro 7         022-023       Colour Macro 7         022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         044-045       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         052-053       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 26         060-061       Colour Macro 27					010-011	Colour Macro 2
016-017       Colour Macro 5         018-019       Colour Macro 6         020-021       Colour Macro 7         022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 10         030-031       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         044-045       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         054-055       Colour Macro 25         058-059       Colour Macro 27					012-013	Colour Macro 3
018-019       Colour Macro 6         020-021       Colour Macro 7         022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 19         044-045       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         051-055       Colour Macro 25         058-059       Colour Macro 27					014-015	Colour Macro 4
020-021       Colour Macro 7         022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 25         058-059       Colour Macro 27					016-017	Colour Macro 5
022-023       Colour Macro 8         024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 19         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27					018-019	Colour Macro 6
024-025       Colour Macro 9         026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 25         058-059       Colour Macro 27					020-021	Colour Macro 7
026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         054-055       Colour Macro 25         058-059       Colour Macro 27					022-023	Colour Macro 8
026-027       Colour Macro 10         028-029       Colour Macro 11         030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         054-055       Colour Macro 25         058-059       Colour Macro 27					024-025	Colour Macro 9
030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 26         058-059       Colour Macro 27						Colour Macro 10
030-031       Colour Macro 12         032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 26         058-059       Colour Macro 27					028-029	Colour Macro 11
032-033       Colour Macro 13         034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						Colour Macro 12
034-035       Colour Macro 14         036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						Colour Macro 13
036-037       Colour Macro 15         038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						
038-039       Colour Macro 16         040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 23         052-053       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						
040-041       Colour Macro 17         042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						
042-043       Colour Macro 18         044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						
044-045       Colour Macro 19         046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 27						
046-047       Colour Macro 20         048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 26         060-061       Colour Macro 27						
048-049       Colour Macro 21         050-051       Colour Macro 22         052-053       Colour Macro 23         054-055       Colour Macro 24         056-057       Colour Macro 25         058-059       Colour Macro 26         060-061       Colour Macro 27						
050-051         Colour Macro 22           052-053         Colour Macro 23           054-055         Colour Macro 24           056-057         Colour Macro 25           058-059         Colour Macro 26           060-061         Colour Macro 27						
052-053         Colour Macro 23           054-055         Colour Macro 24           056-057         Colour Macro 25           058-059         Colour Macro 26           060-061         Colour Macro 27						
054-055         Colour Macro 24           056-057         Colour Macro 25           058-059         Colour Macro 26           060-061         Colour Macro 27						
056-057         Colour Macro 25           058-059         Colour Macro 26           060-061         Colour Macro 27						
058-059         Colour Macro 26           060-061         Colour Macro 27						
060-061 Colour Macro 27						
002-003 Colour Macro 28						
064-065 Colour Macro 29						

066-067	Colour Macro 30
	LEE colour swatches
068-069	LEE 4 (Medium Bastard Amber)
070-071	LEE 10 (Medium Yellow)
072-073	LEE 19 (Fire)
074-075	LEE 26 (Bright Red)
076-077	LEE 58 (Lavender)
078-079	LEE 68 (Sky Blue)
080-081	LEE 71 (Tokyo Blue)
082-083	LEE 79 (Just Blue)
084-085	LEE 88 (Lime Green)
086-087	LEE 90 (Dark Yellow Green)
088-089	LEE 100 (Spring Yellow)
090-091	LEE 101 (Yellow)
092-093	LEE 102 (Light Amber)
094-095	LEE 103 (Straw)
096-097	Lee 104 (Deep Amber)
098-099	LEE 105 (Orange)
100-101	LEE 106 (Primary Red)
102-103	LEE 111 (Dark Pink)
104-105	LEE 115 (Peacock Blue)
106-107	LEE 116 (Medium Blue-Green)
108-109	LEE 117 (Steel Blue)
110-111	LEE 118 (Light Blue)
112-113	LEE 119 (Dark Blue)
114-115	LEE 120 (Deep Blue)
116-117	LEE 121 (LEE Green)
118-119	LEE 128 (Bright Pink)
120-121	LEE 131 (Marine Blue)
122-123	LEE 132 (Medium Blue)
124-125	LEE 134 (Golden Amber)
126-127	LEE 135 (Deep Golden Amber)
128-129	LEE 136 (Pale Lavender)
130-131	LEE 137 (Special Lavender)
132-133	LEE 138 (Pale Green)
134-135	LEE 139 (Primary Green)
136-137	LEE 141 (Bright Blue)
138-139	LEE 147 (Apricot)
140-141	LEE 148 (Bright Rose)
142-143	LEE 152 (Pale Gold)
144-145	LEE 154 (Pale Rose)
146-147	LEE 157 (Pink)
148-149	LEE 158 (Deep Orange)
150-151	LEE 162 (Bastard Amber)

			l	152-153	LEE 164 (Flame Red)
				154-155	LEE 165 (Daylight Blue)
				156-157	LEE 169 (Lilac Tint)
				158-159	LEE 170 (Deep Lavender)
				160-161	LEE 170 (Deep Lavender) LEE 172 (Lagoon Blue)
				162-163	LEE 172 (Lagoon Bite) LEE 179 (Chrome Orange)
				164-165	LEE 179 (Chrome Grange) LEE 180 (Dark Lavender)
				166-167	LEE 181 (Congo Blue)
				168-169	LEE 197 (Alice Blue)
				170-171	LEE 201 (Full C.T. Blue)
				172-173	LEE 202 (Half C.T. Blue)
				174-175	LEE 203 (Quarter C.T. Blue)
				176-177	LEE 204 (Full C.T. Orange)
				178-179	LEE 205 (Half C.T. Orange)
				180-181	LEE 206 (Quarter C.T. Orange)
				182-183	LEE 247 (LEE Minus Green)
				184-185	LEE 248 (Half Minus Green)
				186-187	LEE 281 (Three Quarter C.T. Blue)
				188-189	LEE 285 (Three Quarter C.T. Orange)
				190-191	LEE 352 (Glacier Blue)
				192-193	LEE 353 (Lighter Blue)
				194-195	LEE 715 (Cabana Blue)
				196-197	LEE 778 (Millennium Gold)
				198-199	LEE 793 (Vanity Fair)
				200-255	CMY colour mixing from slow to fast
4	5	5	Cyan	000-255	Cyan (Linear 0-100%)
		6	Cyan in 16 bit	000-255	Cyan in 16 Bit precision
5	6	7	Yellow	000-255	Yellow (Linear 0-100%)
		8	Yellow in 16 bit	000-255	Yellow in 16 Bit precision
6	7	9	Magenta	000-255	Magenta (Linear 0-100%)
		10	Magenta in 16 bit	000-255	Magenta in 16 Bit precision
7	8	11	СТО	000-255	Linear adjust from high to low
		12	CTO in 16 bit	000-255	CTO in 16 Bit precision
8	9	13	Color wheel1	000-063	index 0-360 °
				064-067	White
				068-071	White/Red
				072-075	Red
				076-079	Red/Yellow
				080-083	Yellow
				084-087	Yellow/ Blue
				088-091	Blue
				092-095	Blue / Green
				096-099	Green
				100-103	Green / Pink
I			J	100 105	

				104-107	Pink	
				108-111	Pink/Orange	
				112-115	Orange	
				116-119	Orange / UV	
				120-123	UV	
				124-127	UV/ White	
				128-191	Rainbow rotation speed from slow to fast	
				192-255	Rainbow reverse rotation speed from slow to fast	
			Color wheel1 fine	000-25		
	10	14		5	Colour Continual positioning in 16 Bit precision	
				000-063	. 1 0.2600	
				000 005	index 0-360 °	
				064-067	White	
			Color wheel2	068-071	White/Deep Red	
				072-075	Deep Red	
				076-079	Deep Red/Deep Magenta	
				080-083	Deep Magenta	
				084-087	Deep Magenta/ Light Magenta	
				088-091	Light Magenta	
9	11	15		092-095	Light Magenta/Light yellow	
				096-099	Light Yellow	
				100-103	Light Yellow/Light green	
				104-107	Light green	
				108-111	Light green / Deep cyan	
				112-115	Deep cyan	
				116-119	Deep cyan/ light cyan	
				120-123	Light cyan	
				124-127	Light cyan 7/white	
				128-191	Rainbow rotation speed from slow to fast	
				192-255	Rainbow reverse rotation speed from slow to fast	
	12	16	Color wheel2 fine	000-255	Colour Continual positioning in 16 Bit precision	
10	13	17	Zoom	000-255	Linearly zooming	
		18	Zoom Fine	000-255	Zoom in 16 Bit precision	
11	14	19	Pan	000-255	Pan movement	
	15	20	Pan Fine	000-255	Pan movement in 16 bit precision	
12	16	21	Tilt	000-255	Tilt movement	
	17	22	Tilt Fine	000-255	Tilt movement 16 bit precision	
13	18	23	Pan & Tilt Speed	000-001	Speed Mode	
				002-255	Pan & Tilt speed from fast to slow	
14	19	24	Power/Special	000-019	Reserved	
			functions	1.To activate for	l llowing functions, stay in DMX value for at least 5 s	
				2. The lamp is allowed to be turned off 5 minutes after the lamp is on. And the		
				lamp is allowed to be turned on 5 minutes after the lamp is off.		
				3. Before the lamp on or lamp off, set "control by DMX"/Lamp		
	1	1	J	L		

Control/Config	Setting s as ON via control panel.
020-024	Graphic display On
025-029	Graphic display Off
030-034	Reserved
035-039	Lamp power 1200W
040-044	Lamp power 1400W
045-089	Reserved
090-094	Pan/Tilt speed mode
095-099	Pan/Tilt time mode
100-129	Reserved
130-139	Lamp On
140-149	Pan/Tilt reset
150-159	Colour system reset
160-169	Reserved
170-179	Dimmer/Shutter reset
180-189	Zoom 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.

3. "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.

# 8. ICONS OF THE TROUCH SCREEN

	Lamp Control		Option Settings
<b>F</b>	Chinese/English		Information
	Error Messages	6	Service
	Address		Operation Mode
5	Reset		User Memories
	Config Settings		

# 9.ERROR MESSAGES

The system can detect some errors during the reset, if  $\triangle$  displayed, touch  $\triangle$  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 Wheel1	Timeout	Check if wiring, positioning parts and motors are normal	
Color Wheel12	Timeout	Check if wiring, positioning parts and motors are normal	
Dimmer	Timeout	Check if wiring, positioning parts and motors are normal	
Strobe	Timeout	Check if wiring, positioning parts and motors are normal	
Zoom	Timeout	Check if wiring, positioning parts and motors are normal	
Angle lens	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 Fan1	Error	Check if fan and its wiring are normal	
CMY Fan 2	Error	Check if fan and its wiring are normal	
Base Fan1	Error	Check if fan and its wiring are normal	
Base Fan2	Error	Check if fan and its wiring are normal	
Pan and Tilt Board	Error	Check signal wire	
Motor Driver Board 1	Error	Check signal wire	
Motor Driver Board2	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	

#### 10. TECHNICAL DATA

#### INPUT VOLTAGES

Input voltage 200V~240V AC, 50/60Hz Input power 1700W @ 220V Current at maximum AC10.5A Power factor 0.9

# LAMP SPECIFICATIONS

Lamp	Lot-it 1400W/60/P28
Color Temperature	6000K
Ceramic Stand	Single-ended
Manufacturers Rated Lamp Life	750hours

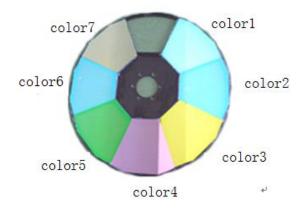
# COLORS

CMY linear color mixing system with macros

2Color wheels: 7colors+ Open, half-color effect, bi-directional rainbow effect with variable speeds,

Stepping/linear color changing

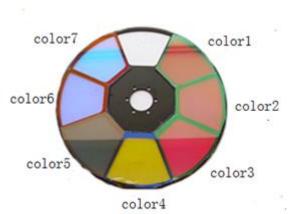
Color Wheel 1



No.	Code No.	Colors	Wave Length
1	090070041A	Red	λ=620±5nm
2	090070044A	Yellow	λ=510/545±5nm
3	090070043A	Blue	λ=500±5nm
4	090070042A	Green	λ=540±5nm
5	090070045A	Pink	λ=490/585±5nm
6	090070046A	Orange	λ=600±5nm
7	090070047A	UV light	λ=460/690±5nm

# Color Wheel2

No.	Code No.	Colors	Wave Length
1	090070034A	Deep Red	λ=645±5nm
2	090070037A	Deep Magenta	λ=450/630±5nm
3	090070040A	Light Magenta	λ=445/620±5nm



4	090070039A	Light Yellow	λ=520±5nm
5	090070035A	Light Green	λ=485/525±5nm
6	090070036A	Deep Cyan	λ=575±5nm
7	090070038A	Light Cyan	λ=590±5nm

#### CTO:

0-100% Linear CTO system

#### ZOOM

DMX linear zoom

#### DIMMER

0-100% Linearly adjustable

#### STROBE

Double blade strobe, 0.3-25 F.P.S.

#### HEAD MOVEMENT

Pan 540 °, Tilt 270 ° with auto position correction

#### **BEAM ANGLE**

Highly bright mode 12  $^\circ$  Linear zoom 20  $^{\circ\!\sim}~$  62 % with 16 bit adjustment

#### CONTROL

DMX512, 3 pin interfaces RDM control protocol 14channels in basic mode, 19channels in standard mode , 24channels in extended mode Self-test mode

#### **OTHER FUNCTIONS**

Adjustable Pan & Tilt speeds Lamp's and fixture's hours displayed Color touch screen, Chinese and English menus, brightness and contrast adjustable Input signal isolated Modular Structure for easy maintenance Ethernet interface DMX512 wirless reciever Optional DMX512 Wireless Transmitter HOUSING

High temperature ABS, IP20

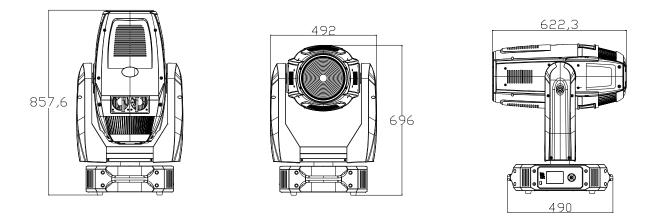
## WEIGHT

46Kg

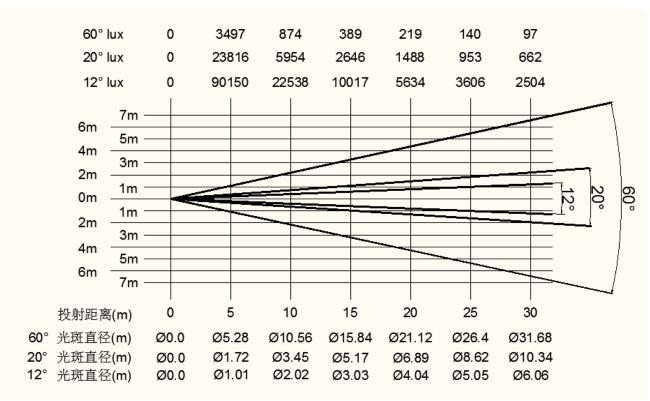
# **OPERATION TEMPERATURE:**

Maximum ambient temperature: 40  $^\circ C$ 

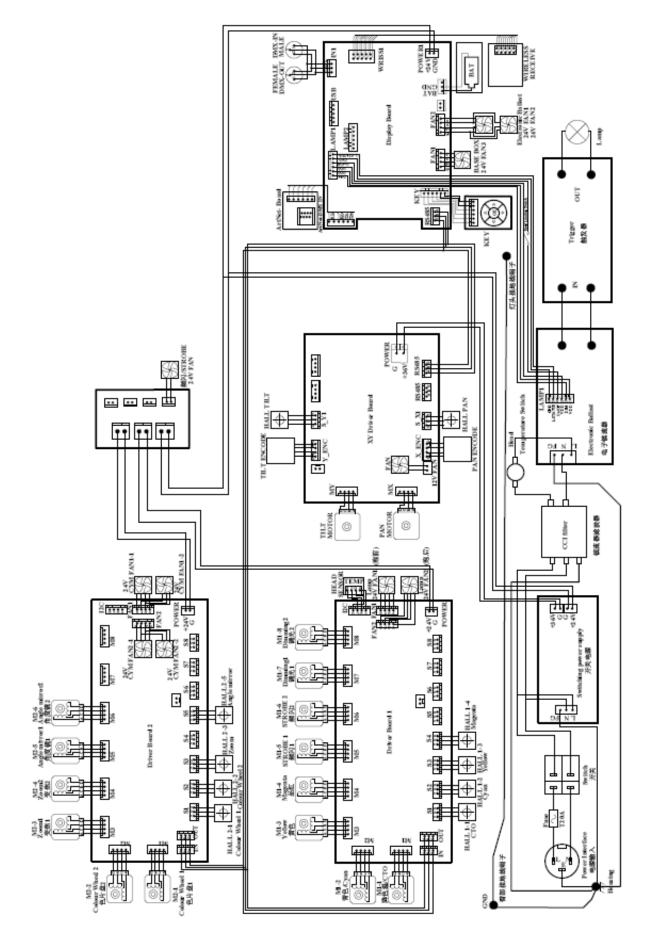
### 1. SIZES:



#### 2. LIGHT OUTPUT:

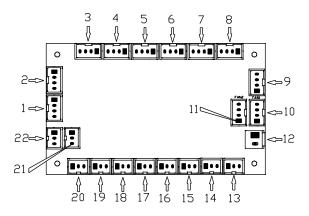


#### 11. CIRCUIT DIAGRAM AND PCB CONNECTIONS •CIRCUIT DIAGRAM



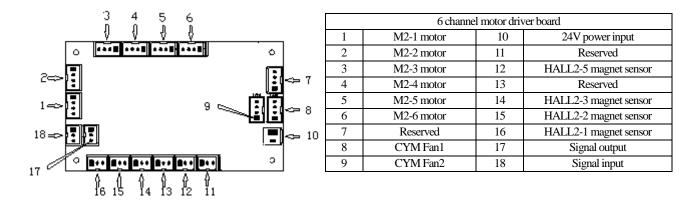
## PCB CONNECTION

#### 8 channel motor driver board P/N 230060855

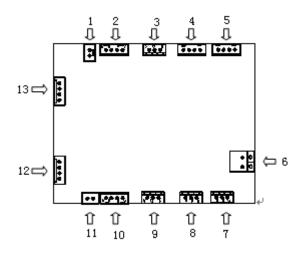


	8 channel motor driver board				
1	M1-1motor	12	24V power input		
2	M1-2 motor	13	Reserved		
3	M1-3 motor	14	Reserved		
4	M1-4 motor	15	Reserved		
5	M1-5 motor	16	Reserved		
6	M1-6 motor	17	HALL1-4 magnet sensor		
7	M1-7 motor	18	HALL1-3 magnet sensor		
8	M1-8 motor	19	HALL1-2 magnet sensor		
9	Thermal sensor	20	HALL1-1 magnet sensor		
10	Lamp fan1	21	Signal output		
11	Lamp fan2	22	Signal input		

6 channel motor driver board



XY diver board



	XY driver board				
1	Reserved	8	Signal input		
2	TILT ENCODE	9	SX magnet sensor		
3	SY magnet sensor	10	PAN ENCODE		
4	Reserved	11	XY driver board fan		
5	Reserved	12	PAN motor		
6	36V power input	13	TILT motor		
7	Signal input				

# **12. COMPONENT ORDER CODES**

NAME	PART NO.	QTY	REMARK
PAN MOTOR	030040262	1	
TILT MOTOR	030040262	1	
STORE MOTOR	030040095A	2	
DIMMER MOTOR	030040186A	2	
COLOR WHEEL1 MOTOR	030040095A	1	
COLOR WHEEL2 MOTOR	030040215A	1	
CMY MOTOR	030040114A	4	
ZOOM MOTOR	030040221A	2	
ANGLE LENS MOTOR	030040116A	2	
FAN	030060104	2	BASE FAN1
FAN	030060089A	1	BASE FAN2
TURBO FAN	030060107	2	COOLING LAMP
TURBO FAN	030060094	1	BLOWING STROBE BLADES
FAN	030060095B	4	HEAD FAN
SMALL FAN	030060093	1	PAN & TLT BOARD
LAMP BALLAST	040070133	1	
POWER SWITCH	230020689	1	
POWER FILTER	193020014	1	
IGNITER	040090066	1	
OSRAM LAMP 1400W	100070047	1	
COLOR WHEEL ACCESSORY 1	120110877	1	
COLOR WHEEL ACCESSORY 1	120600042A	1	
MAIN BOARD	230060748	1	
8 CHANNEL MOTOR DIVER BOARD	230060749	1	
6 CHANNEL MOTOR DIVER BOARD	230060750	1	
PAN & TILT BOARD	230060747	1	
FUSE	270041065	1	
PAN BELT	290151205	1	
TILT BELT	290151204	1	
ZOOM BELT	290151206	2	
ANGLE LENS BELT	290151427	2	
COLOR WHEEL BELT	290151320	2	
CMY BELT	290151341	4	

# PR LIGHTING LTD.

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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!

P/N: 320020616 Version: 20180927