USER MANUAL

Version:1.2

Table of content

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using information of this products. Plese refere this manual's relative instruction when using this equipment.

1.Open–Package guidelines

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using inform ation of this pro ducts.Plese refere this manual's relative   instruction   when using this equipment.

This equipment is made of new style,high intensity plastic.It fully shows the modem times light charac teris- tic with teristic with beauty struture. And it is made accord to CE standard. Fully agree with the internation standard of DMX 512 agreement.

When receive the product**,**please be careful to take and put**,**check if the product has damage or not be- cause of transportation**,** and check the following parts**:**

1.Signal cable-1PC
3.User Manval-1PC
5.Power cable-1PC

2.Safty cable-1PC
4.Omega holder-2PCS
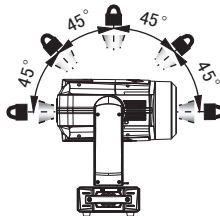5.Service card-1PC

1 . 1 Package

Unpacking the fixture
1.Open the flight case cover   .
2.With one person on each side, lift the fixture out of the flight case.
3.Unlock tilt before operating fixture.
Packing the fixture
1.Disconnect the fixture from power and allow it to cool.
2.Lock h ead as figure.(Tilt Mechanism Lock and Release (every 45°)- Fig.1-1)
3.Place the fix ture in the bottom of the flight case, and cover the case without forcing.
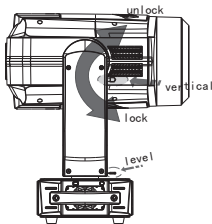
Transportation lock Fig.1   Tilt Mechanism Lock Fig.1−1

2.Safety instructions

Every person involvd with installation and maintenance of this device to:
-Be qualilfied
-Follow the instructions of this manual.

CAUTION!
Be careful with your operations.
With a high voltage you can suffer
a dangerous electric shock when touching the wires!

This device has been shipped with our premises in absolutely perfect condition.In order to maintain this co- ndition and toensure a safe operation,it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.
Important:
➢ The manufacturer will not accept liability for any resulting damages caused by the nonobservance of this manual or any unauthorized modification to the device.
➢ Please consider that damages caused by manual modifications to the device are not subject to warranty.
➢ Never let the power-cord come into contact with other cables! Handle the power cord and all connections with particular caution!

➢ Make sure that the available voltage is not higher than stated on the rearpanel.
➢ Always plug in the power plug least. Make suer that the power-switch is set to off-position before you con ections with themains with particular caution!
➢ Make sure that the power-cord is never crimped or damaged by sharp edges.Check the decice and the p-ower-cord from time to time.
➢ Always disconnect from the mains, when the device is not in use or before cleaning it.
➢ Only handle the power-cord by the plug,Never pull out the plug by tugging the powercord.
➢ This device falls under protection class I.Therefore it is essential to connect the yellow/green conductor to earth.
➢ The electric connection,repairs and servicing must be carried out by a qualified employee.
➢ Do not connect this device to a dimmer pack.
➢ Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
➢ Do not touch the device's housing bare hands during its operation(housing becomes hot!)
➢ For replacement use lamps and fuses of same type and rating only.

Eye damage!
Avoid looking directly into the light source(meant especially for epileptics)!

➢Minimum distance of illuminated objects
The projector needs to be positioned so that the objects hit by the beam of light are at least 2.5 metres from the lens of the projector.

t_a40 ℃
➢Maximum ambient temperature
Do not operate the fixture if the ambient temperatuer(Ta) exceeds 40°C (104°F).

t_c90 ℃
➢Temperature of the external surface
The maximum temperature that can be reached on the external surface of the fitting,in a ther-mally steadystate, is 90°C (194°F).

IP20
➢IP20 protection rating
The fitting is protected against penetration by solid of over 12mm（0.47″）in diameter（first digit 2), but not against dripping water,rain,splashes or jets of water (second digit 0).

➢Mounting surfaces
Must be mounted on a solid surface,allowing installation on a generally combustible surface.

➢Indoor use only

➢Not suitable for household illumination

Risk Group 1
According to En62471
➢Photobiological Safety
CAUTION. Do not look directly at the light source.Do not look at the light beam with optical de-vices or any other tool that could cause light convergence.
The fixture must be positioned so that the minimum distance between the front lens and human eye is at least 3metres to prevent personal photobiological risks.

➢Install
The equipment must be installed away from flammable and explosive materials.The minimum distance between all surfaces of the luminaire and combustible materials is 0.5m .

CE
➢The products to which this manual refers comply with the European Directives purs- uant to：
•Safety of electrical equipment supplied at low voltage（LVD）
EN 60598-1:2015
EN 60598-2-17:1989+A2:1991
•Electromagnetic Compatibility (EMC)
EN 55015:2013/A1:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61547:2019
•Restriction of the use of certain hazardous substances (RoHS)
2011/65/EU

➤ Protection against electrical shock
Connection must be made to a power supply system fitted with efficient earthing (Class I app-liance according to standard EN 60598-1) .It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/orshorting to earth by using appropriately sized residual current devices.

➤ Disposing
This product is supplied in compliance with European Directive 2012/19/EU-Waste Electrical and Electronic Equipment (WEEE). To preserve the environment please dispose/recycde this product at the end of its life according to the local regulation.

➤ Battery
This product contains a rechargeable lead-acid or lithium iron tetraphosphate battery.To preserve the environment,please dispose the battery at the end of its life according to the regulation in force.

➤ Lamp
-Immediately replace the lamp if damaged or deformed by heat.

➤ Maintenance
Before starting any maintenance work or cleaning the projector,cut off power from the mains supply. After switching off, do not remove any parts of the fitting for at least 10 minutes. After this time the like lihood of the lamp exploding is virtually small.If it is necessary to replace the lamp,wait for another 15 minutes to avoid getting burnt.The fitting is designed to hold in any splinters produced by a lamp expl-oding.

3.Operating determinations

➤ This device is a moving-head for creating decorative effects and was designed for indoor use only.

➤ If the device ha been exposed to drastic temperature fluctuation(e.g.after transportation).do not weitch it on imm-ediately.The arising condensation water might damage your device,Leave the device switched off until it has rea-ched room temperature.

➤ Never run the device without lamp!

➤ Do not shake the device,Avoid brute force when installing or operating the device.

➤ Never life the fixture by holding it at the projectorhead, as the mechanics may be damaged. Always hold the fixtu-re at the transport handles.

➤ When choosing the installation-spot,please make sure that the device is not exposed to heat,moisture or dust.Th-ere should not be any cables lying around.You endanger your own and the safety of others!

➤ The minimum distance between light output and the illuminated surface must be more than 0.2 meters.

➤ Make sure that the area below the installation place is blocked when rigging,derigging or servicing the fixture.

➤ Always fix the fixture with an appropriate safety rope, Fix the safety rope at the correct holes only.

➤ Operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastend.

➤ The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps may ex-plose and emit a hign ultraviolet radiat, which may cause burns.

➤ The maximum ambient temperature 40°C must never be exceeded.

➤ Operate the device only after having familiarized with its functions. Do not permit operation by persons not qua-lified for operating the device. Most damages are the result of unprofessional operation!

➤ Please use the original packaging if the device is to be transported.

➤ Please consider that unauthorized modifications on the device are forbidden due to safety reasonsl.

➤ If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.Furthermore, any other operation may lead to dangers like short-circ-uit,burns, electric shict,burns due to ultraviolet radiation,lamp explosion,crash etc.

4.Rigging the fixture

4.1 Mounting

For the various mounting positions of the FIXTURE(standing on the floor, sideways or hanging different accessories kits are available.
Through this a safe and firm installation is assured.
You'll find special connectors on the bottom side of the system which are put to use here.

4. 2 Installing the Clamps

Please consider the respective national norm s during the Installation!The installation must only be carried out by an authorized dealer!

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g.an appropriate catch net.This secondary safety attachment must be constructed in a way that no part of the installation can fall if the main attachment fails.

When servicing the fixture staying in the area below the installation place,on bridges,under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

The projector should be installed outside areas where persons m ay walk by or be seated.

Important!Overhead rigging requires extensive expering CE, including（but not limited to）calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodilyinjury and or damage to property.

The projector has to be installed out of the reach of people.

If the projector shall be lowered from the ceiling or high joists, professional trussing system s have to be used. The projector must never be fixed swinging freely in the room .

Caution Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the projector!

Before rigging make sure that the installation area can hold a minim um point load of 10 times the projector s weight.

The projector can be placed directly on the stage floor or rigged in any orientation on atruss without altering its operation characteristics.

For overhead use,always install a safety-rope that can hold at least 10 times the weight of the fixture.You must only use safety-ropes with screw on carabines.Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc.

⚠ **Warning**: it is necessary to make sure that the installation location is perfectly appropriate, and the installation location is safe and reliable.

①	rotary Knob
②	omega holder
③	secure chain
④	base
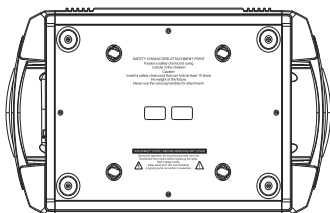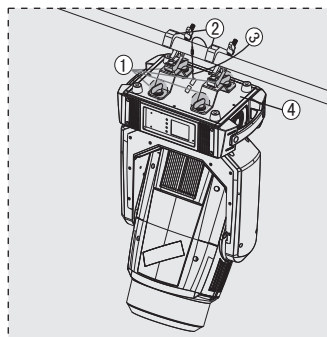
SAFETY CHAIN/CORD ATTACHMENT POINT
Fasten a safety chain/cord using
cutouts in the chassis!
Caution:
Install a safety chain/cord that can hold at least 10 times
the weight of the fixture.
Never use the carrying handles for attachment.

DISCONNECT SUPPLY BEFORE REMOVING ANY COVER
During the operation the housing becomes very hot!
Disconnect from mains before replacing the lamp.
High voltage inside.
Keep away from rain and moisture!
A good ground connection is essential.

4.3 Power supply connection and cut off

Connect the light source to the main power source with the plug of the power cord, or cut off the power supply:

Connection: according to procedures, the power plug and socket is inserted into the groove one one alignment,rotation.

Cut off:according to procedures,press the button on the rotating plug,pull out.
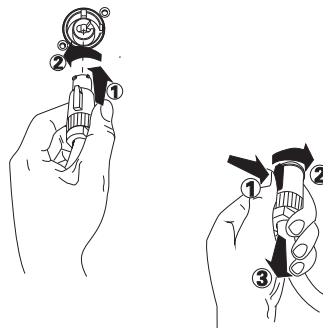
4.4 Power Connection

If you wish to change the power supply settings, see the chapter appendix Connect the fixture to the mains with the enclosed power cable and plug.

> ⚠ **Warning:** please verify the power of the power supply equipment prior to the connection! Earth wire must be grounded!

CABLE(EU)	CABLE(US)	Pin	INTERNATIONAL
Brown	Black	Live	**L**
Light blue	White	Neutral	**N**
Yellow/Green	Green	Earth	⏚

4.5 DMX–512 connection/connection between fixtures

Only use stereo shieded cable and 3-pin XLR-plugs and connectors in order to connect.

DMX512
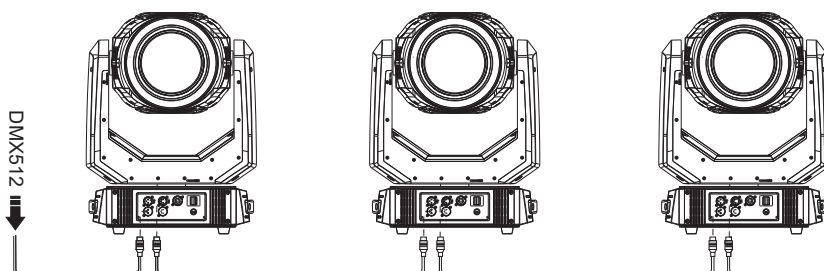
Caution

At the last fixture,the DMX-cable has to be terminated with a terminatou. solder a 120 resistor between signal(-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX   output
3-pin XLR socket

DMX   iutput
3-pin XLR socket

1 : Ground
2 : Signal (−)
3 : Signal (+)

DMX   output
5-pin XLR socket

DMX   iutput
5-pin XLR socket

1 : Ground
2 : Signal (−)
3 : Signal (+)
4 : N. A.
5 : N. A.

DMX Terminator Diagram

-For installations where the DMX cable has to run a long distance or is In an electrically noisy environment it is recommended to use a DMX terminator. This help in preventing corruption of the signal by electrical noise. The DMX terminato r is simply an XLR plug witha 120Ω resistor connected between pins 2 and pins3, which is then plugged into a the output XLR socket of the last ifxture in the chain.

120 Ω

PIN2   PIN3
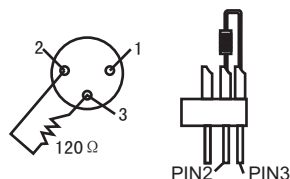
5.Description of the device

1. **Head**
   Tilt 270° ,Fixture could auto reset.

2. **Arm**
   Pan 540° ,Fixture could auto reset.

18.**WDMX wire**

3.base
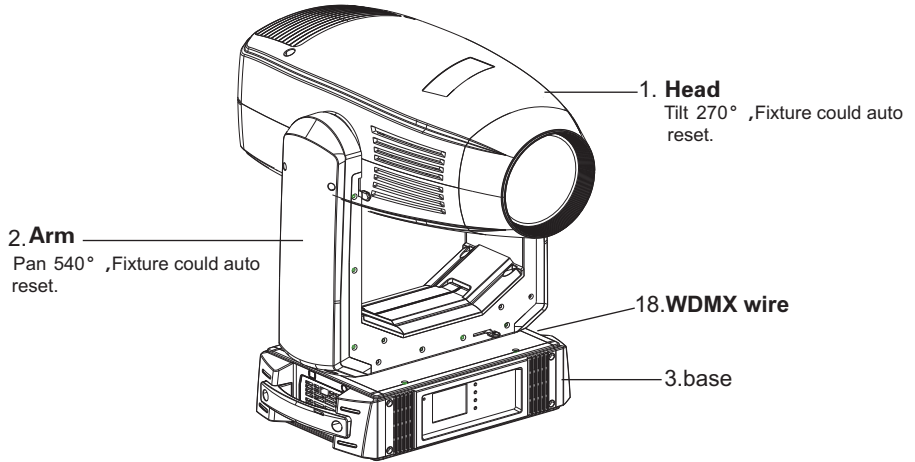
Display panel

4. 3–pin XLR female
5. 5–pin XLR female
6. Power In
7. Power Switch
8. Main Fuse
9. 5–pin XLR male
10. 3–pin XLR male
11. Network interface
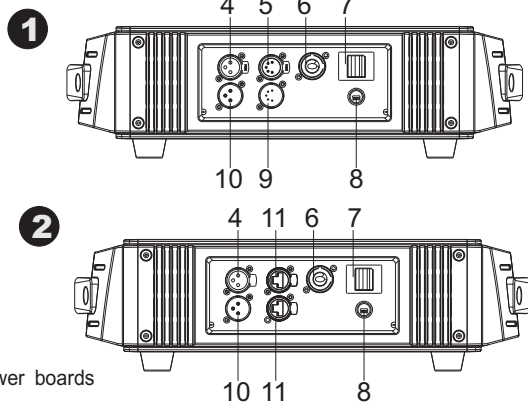
Note: One of the above two power boards can be chosen at will!

Control panel

12. Touch screen
13. MODE button
14. Up button
15. DOWN button
16. ENTER burron
17. Power indicator light

– 7 –

6.Dimension

388

759

247

404

531.5

592

247

404

Unit:(mm)

– 8 –
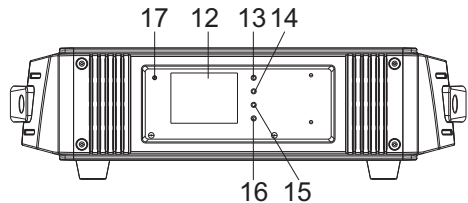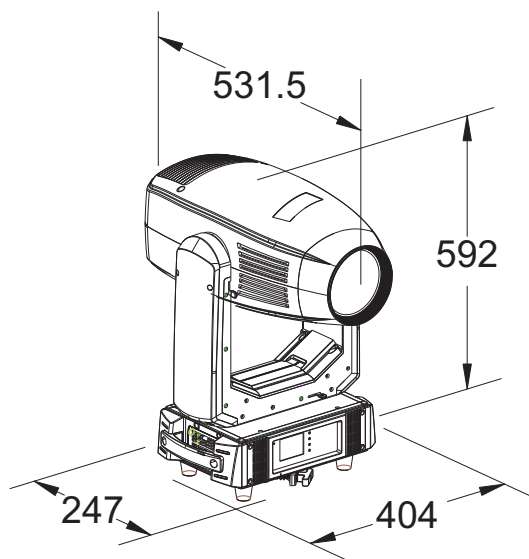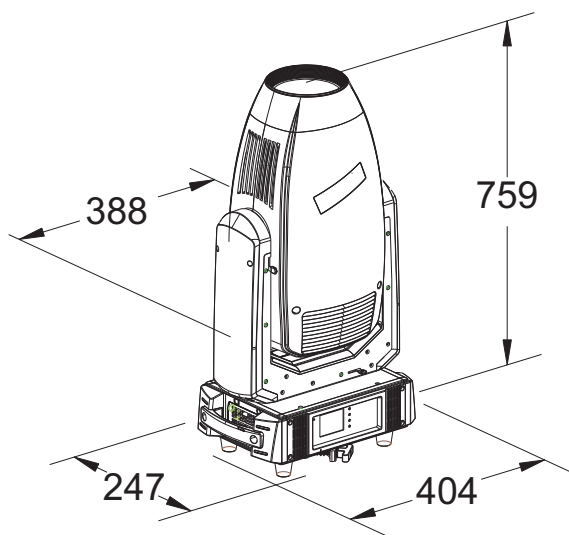
7.Display control

7.1 Navigation in the Menu

Using the buttons or touch screen, and this can be simply and easily set the address code and functions code.

If you view or modify the lighting feature set, then press ENTER button, the display will enter the menu interface. Both there is sub menu corresponding to the functional operation of the main menu. Each of the menus is representative of the specific features of the lamp. The specific contents shows as the table menu below.

Set or browse lighting function, press UP or DOWN button.

Press ENTER to save your changes or enter the submenu.Press the UP or DOWN can change the numerical (increase or decrease in value).

Press the MODE button to return to menu. Set a time 1 to 10 minutes automatically exit menu interface and close the screen.

7.2 Display Operation

Put through power supply, open the power switch of lamps and lanterns, display show the company LOGO website. According to the main interface, as shown in figure:

In the main interface, press "MODE" button to view the software version, press the "UP" "DOWN" can modify the DMX address.

If the screen " ⊙ " icon is green,said DMX signal connection is normal, this state can be used to check the lamps and lanterns and connection between the control table is normal.

This lamp can be set to turn off the automatic flip screen function, touch this " ↻ " icon can be manually flip screen.

001

main interface

1

System Errors
No Error

DMX Values [001-005] [25]
Pan	043
Pan Fine	000
Tilt	209
Tilt Fine	000
Pan/Tilt speed	000

可查看公司LOGO，网址,
硬件,软件版本， 日期

Settings

001-044

Main Menu
DMX Setup
Option
Information
Manual Control
Advanced
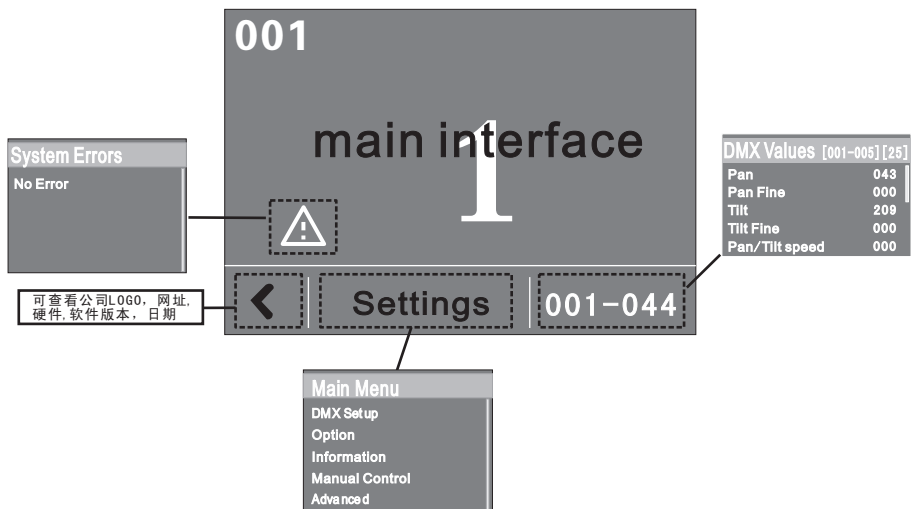
7.3 Menu

DMX Setup	DMX Address	001*–XXX	
	Channel Mode	Mode1* 1–44	
		Mode2 1–35	
	Fixture Id	000*–512	
	Dmx Input	Wire Input*	
		Wileless Input	
		Wireless IN/XLR Out	Under the module with
		Ethernet input	
		Ethernet IN/XLR Out	
	RDM	ON*/OFF	
Option	Pan Invert	ON/OFF*	
	Tilt Invert	ON/OFF*	
	Feedback	ON*/OFF	
	Pan/Tilt Mode	Speed*/Time	
	Frequency Setup	1200HZ/2400HZ*/12000HZ/24000HZ	
	Fan Mode	Auto*/High/Silence	
	Blackout Settings	Blackout Enable	ON/OFF*
		While P/T Moving	ON/OFF*
		While Gobo Moving	ON/OFF*
		While Colour Moving	ON/OFF*
	Dimmer Curve	Liner*/Square/Theatrical/Inv Square	
	Disaplay	ON/OFF*	
	Auto Screen	ON*/OFF	
	Touch Screen	ON*/OFF	
	Ethernet	ON/OFF* (password:0921)	
	Wireless	ON/OFF* (password:0921)	
	Language	English/中文	
Information	System Errors	…	
	Fixture Hours	Resettable Time	
		Total Time	
	LED Hours	Resettable Time	
		Total Time	
	DMX Values	……	
	Fixture Temperatures	LED Temperature ℃/℉	
		Base Temperature ℃/℉	
	Firmware Version	xx.xx	
	Hardware Version	Hx	
	RDM UID	xxxxx	
Manual Control	Reset Functions	Total Resest	
		Pan/Tilt Reset	
		Colour System Reset	
		Gobo/Effect Reset	
		Optics/Prism/Frost Reset	
		Iris/Framing Reset	
	Channels	……	
Advanced	Calibration	Input Password：xxxx	
	Menu Locking	Off/On/Enter Password	
	Factory Default	ON/OFF	
	Touch Calibration		

8.DMX protocol

Mode1	Mode2	Fade Type	Function	Dmx Value
1	1	Pan	Pan	0–255
2	*	Pan Fine	Pan Fine	0–255
3	2	Tilt	Tilt	0–255
4	*	Tilt Fine	Tilt Fine	0–255
5	*	Pan/Tilt speed	Standard mode (0=default)	0
			Speed from max. to min	1–255
6	3	Function	Unused Range	0–19
			To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec.	
			Graphic display: ON	20–24
			Graphic display: OFF	25–29
			Reserved	30–49
			Blackout while pan/tilt moving	50–54
			Disabled blackout while pan/tilt moving	55–59
			Blackout while Gobo moving	60–64
			Disabled blackout while Gobo moving	65–69
			Blackout while Color moving	70–74
			Disabled blackout while Color moving	75–79
			Fans mode: Auto	80–84
			Fans mode: High	85–89
			Unused Range	90–109
			Dimmer curve: Square law	110–114
			Dimmer curve: Linear	115–119
			Dimmer curve: Inv Square	120–124
			Unused Range	125–129
			To activate following functions, stop in DMX value for at least 3 seconds.	
			Fixture reset (except pan/tilt)	130–139
			Reset Pan/Tilt	140–149
			Reset CMY, CTO, color	150–159
			Reset Rotation Gobo、Rotation Gobo RT、Static gobos、Animation	160–169
			Unused Range	170–179
			Reset Focus、Zoom、Prism、Prism RT、Frost	180–189
			Reset Iris、Blade、Framing Rotation	190–199
			Reset ALL	200–209
			Gobo Speed Fast(Rotation Gogo,Animation)	210–214
			Gobo Speed Smooth(default)	215–219
			Blade Speed Fast(Iris、Blade、Framing Rotation)	220–224
			Blade Speed Smooth(default)	225–229
			Colour Speed Fast(Colour,CMY CTO)	230–234
			Colour Speed Smooth(default)	235–240
			Unused Range	241–247
			Quiet mode – fan noise control from min. to max.	248–255
7	*	LED frequency selection	PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup)	0–4
			1200 Hz	5–9
			2400 Hz	10–14
			12000 Hz	15–19
			24000 Hz	20–24
			Reserved (fixture utilizes PWM frequency set in the display menu item Frequency Setup)	25–255
8	*	LED frequency fine adjusting	Selected LED Frequency	0–1
			LED Frequency (step –126)	2
			LED Frequency (step –125)	3
			LED Frequency (step –124)	4
			:	:
			LED Frequency (step –3)	125
			LED Frequency (step –2)	126
			LED Frequency (step –1)	127
			Selected LED Frequency (128=default)	128
			LED Frequency (step +1)	129
			LED Frequency (step +2)	130
			LED Frequency (step +3)	131
			:	:
			LED Frequency (step +124)	252
			LED Frequency (step +125)	253
			LED Frequency (step +126)	254
			Selected LED Frequency	255

Mode1	Mode2	Fade Type	Function	Dmx Value
9	4	Color 1	Open	0
			Whatever Position Open → Slot6	1–128
			Stepped Scroll(snap to full color pisitions)	
			Slot1	129–136
			Slot2	137–144
			Slot3	145–152
			Slot4	153–160
			Slot5	161–168
			Slot6	169–176
			Open	177–188
			Continuous Rotation	
			CW，Fast → Slow CW	189–213
			Stop(This will stop the color wheel wherever it is at the time)	214–219
			CCW,Slow → Fast CCW	220–243
			Random color Fast → Slow	244–255
10	5	Cyan	Cyan 0 → 100%	0–255
11	6	Magenta	Magenta 0 → 100%	0–255
12	7	Yellow	Yellow 0 → 100%	0–255
13	8	CTO	CTO 0 → 100%	0–255
14	9	Virtual colour wheel	No function	0
			LEE Filter 4	1–2
			LEE Filter 10	3–4
			LEE Filter 19	5–6
			LEE Filter 26	7–8
			LEE Filter 58	9–10
			LEE Filter 68	11–12
			LEE Filter 71	13–14
			LEE Filter 79	15–16
			LEE Filter 88	17–18
			LEE Filter 90	19–20
			LEE Filter 100	21–22
			LEE Filter 101	23–24
			LEE Filter 102	25–26
			LEE Filter 103	27–28
			LEE Filter 104	29–30
			LEE Filter 105	31–32
			LEE Filter 106	33–34
			LEE Filter 111	35–36
			LEE Filter 115	37–38
			LEE Filter 116	39–40
			LEE Filter 117	41–42
			LEE Filter 118	43–44
			LEE Filter 119	45–46
			LEE Filter 120	47–48
			LEE Filter 121	49–50
			LEE Filter 128	51–52
			LEE Filter 131	53–54
			LEE Filter 132	55–56
			LEE Filter 134	57–58
			LEE Filter 135	59–60
			LEE Filter 136	61–62
			LEE Filter 137	63–64
			LEE Filter 138	65–66
			LEE Filter 139	67–68
			LEE Filter 141	69–70
			LEE Filter 147	71–72
			LEE Filter 148	73–74
			LEE Filter 152	75–76
			LEE Filter 154	77–78
			LEE Filter 157	79–80
			LEE Filter 158	81–82
			LEE Filter 162	83–84
			LEE Filter 164	85–86
			LEE Filter 165	87–88
			LEE Filter 169	89–90
			LEE Filter 170	91–92
			LEE Filter 172	93–94
			LEE Filter 179	95–96
			LEE Filter 180	97–98

Mode1	Mode2	Fade Type	Function	Dmx Value
14	9	Virtual colour wheel	LEE Filter 181	99–100
			LEE Filter 197	101–102
			LEE Filter 201	103–104
			LEE Filter 202	105–106
			LEE Filter 203	107–108
			LEE Filter 204	109–110
			LEE Filter 205	111–112
			LEE Filter 206	113–114
			LEE Filter 247	115–116
			LEE Filter 248	117–118
			LEE Filter 281	119–120
			LEE Filter 285	121–122
			LEE Filter 352	123–124
			LEE Filter 353	125–126
			LEE Filter 715	127–128
			LEE Filter 778	129–130
			LEE Filter 793	131–132
			No function	133–255
15	10	Rotating gobo wheel	Rotation gobo Select Mode1:16/17，Mode2:11	
			Empty position	0–5
			Gobo 1	6–8
			Gobo 2	9–11
			Gobo 3	12–14
			Gobo 4	15–17
			Gobo 5	18–20
			Gobo 6	21–23
			Gobo 7	24–26
			Rotation – set rotation on channel. Mode1:16/17，Mode2:11	
			Gobo 1	27–29
			Gobo 2	30–32
			Gobo 3	33–35
			Gobo 4	36–39
			Gobo 5	40–42
			Gobo 6	43–45
			Gobo 7	46–48
			Gobo Shaking at variable speed from slow to fast. Mode1:16/17，Mode2:11	
			Gobo 1	49–73
			Gobo 2	74–98
			Gobo 3	99–123
			Gobo 4	124–148
			Gobo 5	149–173
			Gobo 6	174–198
			Gobo 7	199–222
			Forwards gobo wheel rotation from fast to slow	223–237
			No rotation	238–240
			Backwards gobo wheel rotation from slow to fast	241–255
16	11	Rot. gobo indexing and rotation	Gobo indexing – set position on channel. Mode1:15，Mode2:10	
			Gobo indexing	0–255
			Gobo rotation – set position on channel. Mode1:15，Mode2:10	
			No rotation	0–2
			Forwards gobo rotation from fast to slow	3–126
			No rotation	127–129
			Backwards gobo rotation from slow to fast	130–253
			No rotation	154–255
17	*	Fine Gobo Rotation	Fine Gobo Rotation	0–255
18	12	Static gobos	Static gobos	
			Empty position	0
			Gobo1	1–5
			Gobo2	6–10
			Gobo3	11–15
			Gobo4	16–20
			Gobo5	21–25
			Gobo6	26–30
			Gobo7	31–35
			Gobo8	36–40
			Gobo9	41–45
			Gobo Shakes at variable speed from slow to fast.	
			Gobo1	46–60
			Gobo2	61–75
			Gobo3	76–90

Mode1	Mode2	Fade Type	Function	Dmx Value
18	12	Static gobos	Gobo4	91–105
			Gobo5	106–120
			Gobo6	121–135
			Gobo7	136–150
			Gobo8	151–165
			Gobo9	166–180
			Forwards gobo wheel rotation from fast to slow	181–216
			No rotation	217–219
			Backwards gobo wheel rotation from slow to fast	220–255
19	13	Animation	Animation Disk out	0
			Animation Disk Linear Insertion	1–255
20	14	Animation Rotation	No function	0
			Forwards rotation from fast to slow	1–127
			No rotation	128
			Backwards rotation from slow to fast	129–255
21	15	Effect wheel animations	No animation	0–7
			Note :The following channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotating gobo, Rot. Gobo indexing and rotation, Rot. Gobo wheel fine rotation	
			Macro 1	8–9
			Macro 2	10–11
			Macro 3	12–13
			Macro 4	14–15
			Macro 5	16–17
			Macro 6	18–19
			Macro 7	20–21
			Macro 8	22–23
			Macro 9	24–25
			Macro 10	26–27
			Reserved	28–255
22	16	Blade 1	Blade Out → Blade In	0–255
23	17	Blade 2	Blade Out → Blade In	0–255
24	18	Blade 3	Blade Out → Blade In	0–255
25	19	Blade 4	Blade Out → Blade In	0–255
26	20	Blade 5	Blade Out → Blade In	0–255
27	21	Blade 6	Blade Out → Blade In	0–255
28	22	Blade 7	Blade Out → Blade In	0–255
29	23	Blade 8	Blade Out → Blade In	0–255
30	24	Framing Rotation	Framing Rotation	0–255
31	25	Prism	Open position	0–19
			Prism 1 indexing – set position on channel 33/16	20–73
			Prism 1 rotation – set position on channel 33/16	74–127
			以下通道被临时覆盖: 棱镜，棱镜1转,旋转图案盘, 旋转图案自转， 旋转图案自转微调,静态图案盘。	
			Macro 1	128–135
			Macro 2	136–143
			Macro 3	144–151
			Macro 4	152–159
31	25	Prism	Macro 5	160–167
			Macro 6	168–175
			Macro 7	176–183
			Macro 8	184–191
			Macro 9	192–199
			Macro 10	200–207
			Open position	208–255
32	26	Prism Rotation	Prism indexing – set position on channel. Mode1:31，Mode2:25	
			Prism indexing	0–255
			Prism indexing – set position on channel. Mode1:31，Mode2:25	
			No rotation	0
			Forwards prism rotation from fast to slow	1–127
			No rotation	128–129
			Backwards prism rotation from slow to fast	130–255
33	27	CRI	CRI 0%–100%	0–255
34	28	Frost	Frost 0% to 100%	0–255
35	29	Iris	Open	0
			From max. diameter to min. diameter	1–179
			Closed	180–191
			Pulse opening from slow to fast	192–219

Mode1	Mode2	Fade Type	Function	Dmx Value
35	29	Iris	Pulse closing from fast to slow	220–247
			Random pulse opening (fast)	248–249
			Random pulse opening (slow)	250–251
			Random pulse closing (fast)	252–253
			Random pulse closing (slow)	254–255
36	30	Zoom	Zoom from max. to min. beam angle	0–255
37	*	Zoom Fine	Fine Zoom positioning	0–255
38	31	Focus	Focus moves linearly from far to near position	0–255
39	*	Focus Fine	Fine focus positioning	0–255
40	32	Autofocus Distance	Unused range	0–5
			Disable zoom/focuslinking	6–55
			Enable zoom/focus linking, near distance(5 meters)	56–105
			Enable zoom/focus linking, near distance(8 meters)	106–155
			Enable zoom/focus linking, near distance(10 meters)	156–205
			Enable zoom/focus linking, near distance(12 meters)	206–255
41	33	Autofocus Adjustment	Unused range	0–9
			autofocus priority BLADE	10–19
			autofocus priority rotation gobo	20–29
			autofocus priority Animation	30–39
			autofocus priority Iris	40–49
			autofocus priority Static gobo	50–59
			Unused range	60–255
42	34	Stopper/Strobe	Close	0–31
			Shutter Open	32–63
			Strobe–effect from slow to fast	64–95
			Shutter Open	96–127
			Opening pulse in sequences from slow to fast	128–143
			Closing pulse in sequences from fast to slow	144–159
			Shutter Open	160–191
			Random strobe–effect from slow to fast	192–223
			Shutter Open	224–255
43	35	Dimmer	Dimmer 0 → 100%	0–255
44	*	Dimmer Fine	Dimmer Fine	0–255

9.Maintance and cleaning

DANGER:Disconnect from the mains before starting any maintenance work.

Ballast
Please change timely when each pin is getting yellow.

Be sure to maintain the device every 2 months, and make sure that all parts of the ballast, such as, screws, terminals, are locked well to ensure performance. Neglecting of maintenance may lead to failure of devices.

Lamp
Turn off the lamp first to better protect the device when the fixture is turned off. Turn off the power after running for at least 5 minutes

Don't touch the bulb with your hands. Once contacting with your hands, scrub with alcohol and then dry with linen.

When the light is on, the bulb runs at high pressure,so there is a risk of broken.It is related to the duration of using, temperature and unreasonable operation. Therefore, please do not use lamp over the life span.

The using of lamp should not exceed   20000 hours, otherwise it can damage device. Check the running time of the fixure regularly. When the lamp is used around 20000 hours, We strongly recommend that you change the lamp. After replacing it, the used time of lamp can be removed and reset.

Avoid operating in dirty and dusty environment, clean and maintain lamps regularly. Wipe the outside of the lens at least every 20 days. Wipe the internal fan at least every 30 days

It is absolutely essential that the fixture is kept clean and that dust,dirt and smoke fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably through out its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circum stances should alcohol or solvents be used!

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues,reducing the light-output very quickly.The cooling-fans should be cleaned monthly.

The gobos may be cleaned with a soft brush,The interior of the fixture should be cleaned at least annually usinga vacuum-cleaner or an air-jet.

There are no serviceable parts inside the device except for the lamp and the fuse.

Please disconnect the power supply before replacing the fuse and bulb. When replacing them, adopt the same mode.

10.Electric equipment specification

10.1 Electrical paramters

SOURCE: 800W LED

Max POWER: 900W

VOLTAGE: AC110-240V 50/60HZ

Color temperature：6500K

10.2 Weight and dimensions

Dimensions：404X247X759 mm

NET WEIGHT:29.5Kg

Dimensions（boxes-　　1 lights）:870X514X365mm
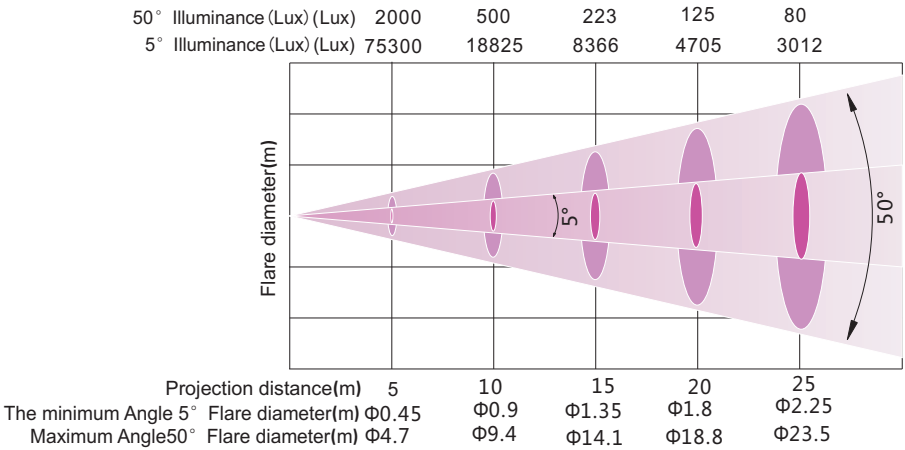
NET WEIGHT/WEIGHT（boxes-1 lights):29.5Kg/33Kg

10.3 Channel Characteristics

1.Channel**:44、35DMX-512.**

2.Scan**: Pan540°　,Tilt270°　,Scan speed adjustable.Fixture could auto reset.**

3.Colour wheel**: one white+6colors.half–color effects,CMY+CTO function.**

4.Gobo wheel:one white+7 gobos, Fix gobo wheel :one white+9gobos+1position dynamic effects.

5**. Prism system:1 rotating of faces.**

6. Zoom**:linear amplifier.**

7. Focus:linear focus with auto function.

8.Demmer:electronic dimming**,**linear dimmer.

9. Strobe**:electronic strobe,with strobe mode of synchronistical,pulse and random.**

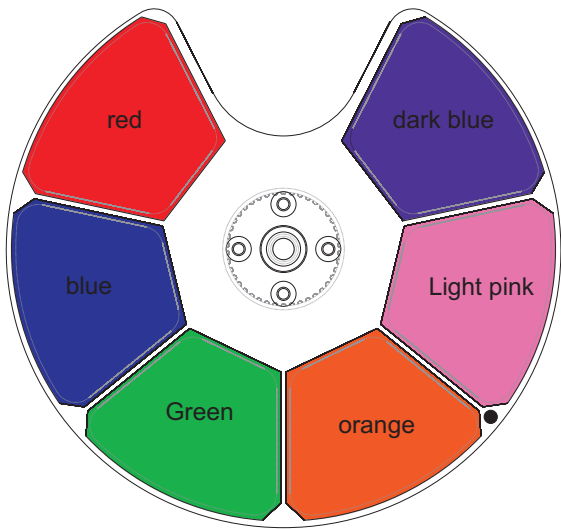10. Multi cutting independent control, cutting components with rotation function.

10.4 Menu Function

1.Touch screen，English/Chinese menu

2.Each DMX Value displayable.

3.Time of automatic turning off is able to set on the display,

4. Display the time using of lighting feature and lamp as well as the times of turning on for lamp.

5**.** You can switch on and off the lamp via the control panel or via your DMX controller. It must be noted that it has to be cold before re-stricking.

6.After the DMX signal is disconnected, the display will be bright and dark.

7.Software upgrade function.

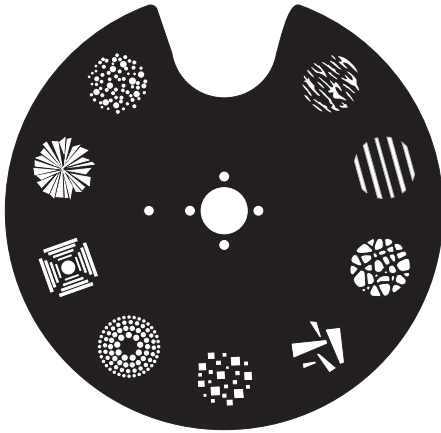8.Wired input/output,wireless input/output,network input mode(optional).

10.5 light table

50° Illuminance (Lux) (Lux)	2000	500	223	125	80
5° Illuminance (Lux) (Lux)	75300	18825	8366	4705	3012

Projection distance(m)	5	10	15	20	25
The minimum Angle 5° Flare diameter(m)	Φ0.45	Φ0.9	Φ1.35	Φ1.8	Φ2.25
Maximum Angle50° Flare diameter(m)	Φ4.7	Φ9.4	Φ14.1	Φ18.8	Φ23.5

10.6 Color wheel

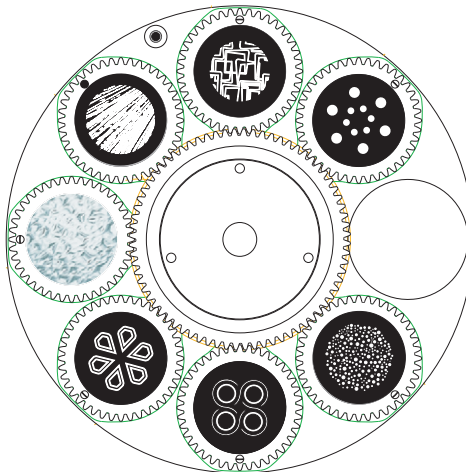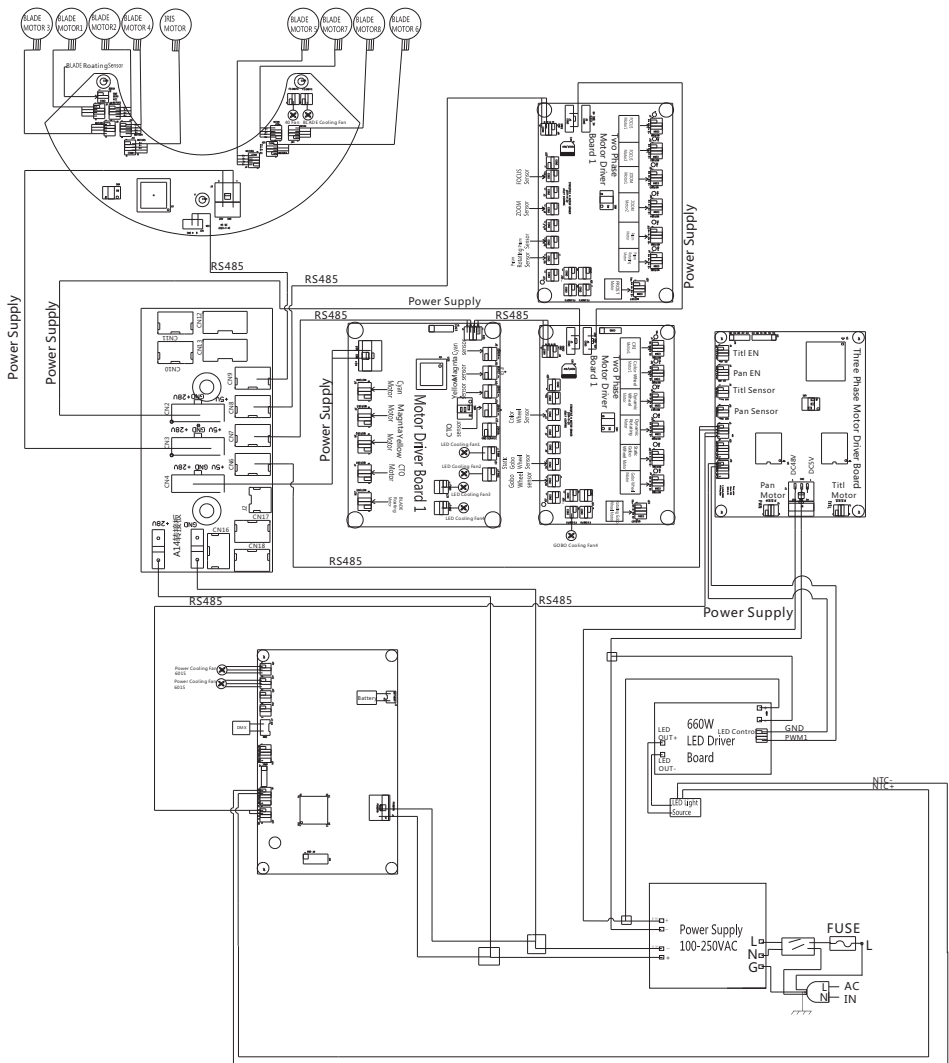## 10.7 Gobo wheel

Fix gobo wheel

Effect wheel

Rgobo wheel

Glass design, Inside diameter24.5mm,effective diameter 18mm.

11.Electronic drawing

Note: The above contents for reference only and is subject to change without prior notice, please take specification you have on hand and our company reserves the final right of interpretation.