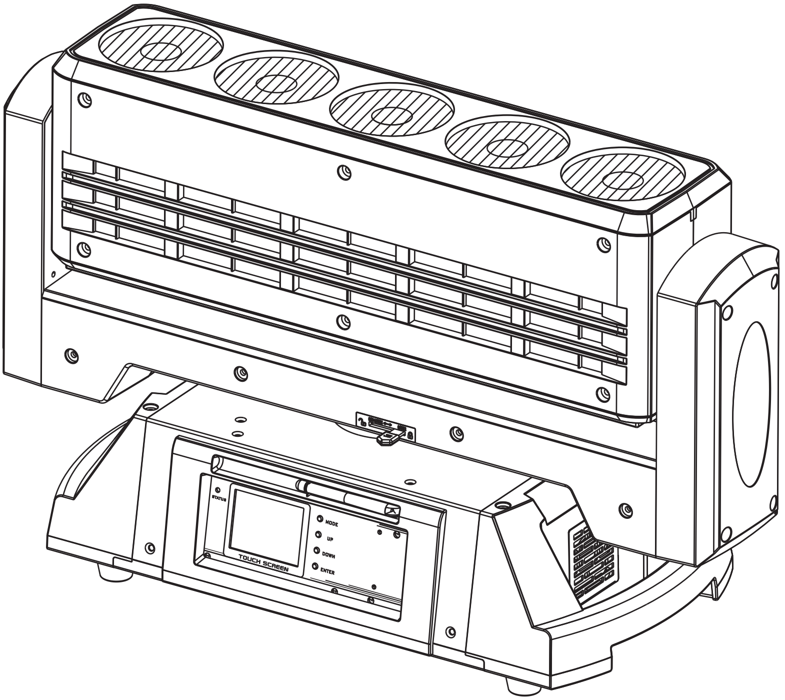
DSB 560

USER MANUAL

МУЗЦЕНТР
МУЗЫКАЛЬНОЕ ОБОРУДОВАНИЕ
https://muzcentre.ru


STATUS
MODE
UP
DOWN
ENTER
TOUCH SCREEN

INVOLIGHT

Table of content

1.Open–Package guidelines......1

1 . 1 Package......1

2.Safety instructions......1

3.Operating determination......3

4.Rigging the fixture......4

4.1 Mounting......4

4.2Installing the Clamps......4

4.3 Power supply connection and cut off......5

4.4 Power Connection......6

4.5 DMX–512 connection/connection between fixtures......6

5.Description of the device......7

6.Dimension......8

7.Display control......9

7.1 Navigation in the Menu......9

7.2 Display Operation......9

7.3 Menu list......11

8.DMX protocol...... 12

9.Maintance and cleaning......16

10.Electric equipment specification......16

10.1 Electrical paramters......16

10.2 Weight and dimensions......17

10.3 Channel Characteristics......17

10.4 Menu Function......17

11.Electronic drawing......18

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

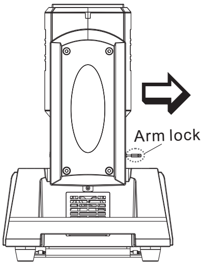
-This equipment is made of new style,high intensity plastic. It fully shows the modem times light characteristic with teristic with beauty struture. And it is made accord to CE standard. Fully agree with the international standard of DMX512 agreement.

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

1.Signal cable-1PC 2.Safty cable-1PC
3.User Manval-1PC 4.Omega holder-2PCS
5.Power cable-1PC 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 pan before operating fixture.
Packing the fixture
1.Disconnect the fixture from power and allow it to cool.
2.lock arm as figure.- Fig.1(PAN Mechanism Lock and Release (every 90°)- Fig.2)
3.Place the fix ture in the bottom of the flight case, and cover the case without forcing.



Transportation lock
Fig.1

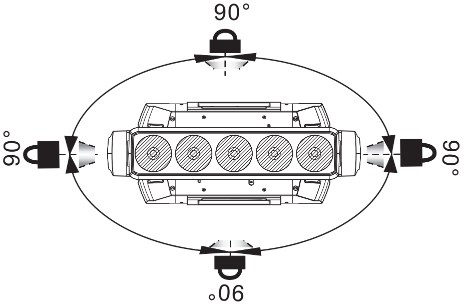


Fig.2

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 condition 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 conections with themains with particular caution!
- Make sure that the power-cord is never crimped or damaged by sharp edges.Check the decice and the power-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)!

0.2m

- Minimum distance of illuminated objects
  The projector needs to be positioned so that the objects hit by the beam of light are at least 0.20 metres (8") from the lens of the projector.

t_a 40°C

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

t_c 90°C

- Temperature of the external surface
  The maximum temperature that can be reached on the external surface of the fitting,in a thermally 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).
- Indoor use only
- Not suitable for household illumination

Risk Group 2
According to
En62471

- Photobiological Safety
  CAUTION.Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.
- Light collimation system
  This product contains internal light collimation system. Avoid intense light from any angle.

CE

- The products to which this manual refers comply with the European Directives pursuant to：
  - •2006/95/EC - Safety of electrical equipment supplied at low voltage（LVD）
  - •2004/108/EC - Electromagnetic Compatibility (EMC)
  - •2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
  - •2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)
- Protection against electrical shock
  Connection must be made to a power supply system fitted with efficient earthing (Class I appliance 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.

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).donot weitch it on immediately.The arising condensation water might damage your device,Leavethe device switched off until it has reached 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 fixture at the transport handles.

- When choosing the installation-spot,please make sure that the device is not exposed to heat,moisture or dust.There 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 explose 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 qualified 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-circuit,burns, electric shict,burns due to ultraviolet radiation,lamp explosion,crash etc.

4.Rigging the fixture

4.1 Mounting

Pay attention to the regulations of CE.

Installation by qualified staff to complete.

☞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 norms 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 may 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.

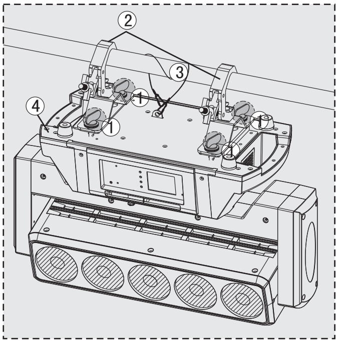
If the projector shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The projector must never be fixed swinging freely in the room .

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 minimum point load of 10 times the projector s weight.

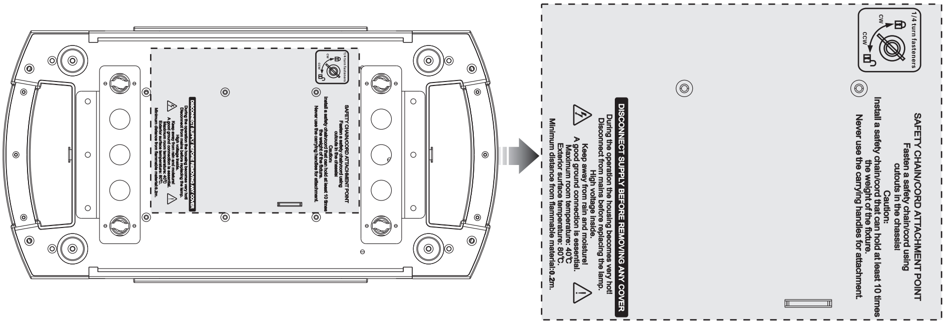
The projector can be placed directly on the stage floor or rigged in any orientation on atruss without altering its operation characteristics.

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	Lock catch
②	omega holder
③	secure chain
④	mounting plate

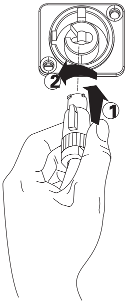

1/4 turn fasteners
CW
CCW
SAFETY CHAIN/CORD ATTACHMENT POINT
Fasten a safety chain/cord using
cutouts in the chassis!
Caution:
Install a safety chain/cord that can hold at least 10 times
the weight of the fixture.
Never use the carrying handles for attachment.
DISCONNECT SUPPLY BEFORE REMOVING ANY COVER
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.
Maximum room temperature: 40℃
Exterior surface temperature: 80℃.
Minimum distance from flammable material:0.2m.

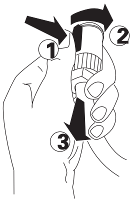
4.3 Power supply connection and cut off

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

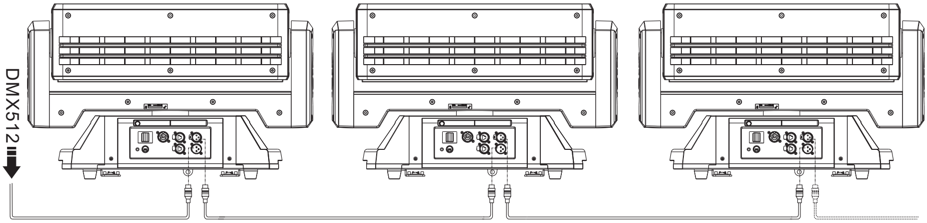
If you wish to change the power supply settings, see the chapter appendix Connect the fixture to the mains with the enclosed power cable and plug.

⚠ **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

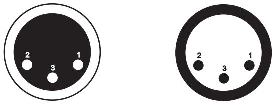
Only use stereo shieded cable and 3-pin XLR-plugs and connectors in order to connect.



Caution

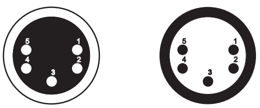
At the last fixture,the DMX-cable has to be terminated with a terminatou. solder a 120 resistor between signal(-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX output 3-pin XLR socket   DMX iutput 3-pin XLR socket



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

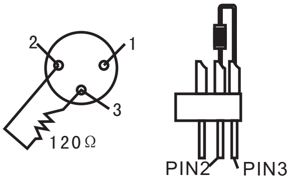
DMX output 5-pin XLR socket   DMX iutput 5-pin XLR socket



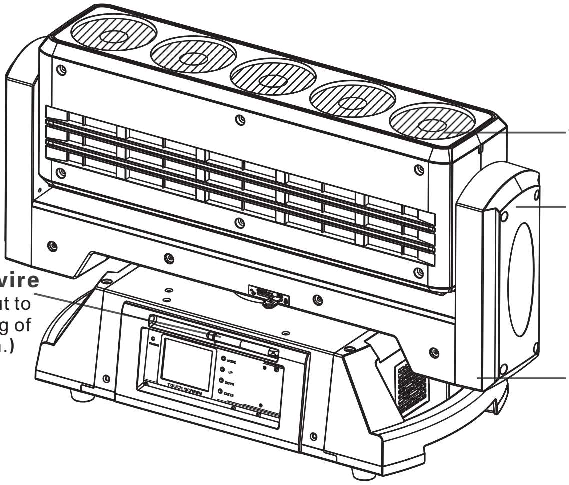
1 : Ground
2 : Signal (−)
3 : Signal (+)
4 : N. A.
5 : N. A.

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.



5.Description of the device


STATUS
MODE
UP
DOWN
ENTER
TOUCH SCREEN

1. **Head**
360 unlimited rotating.

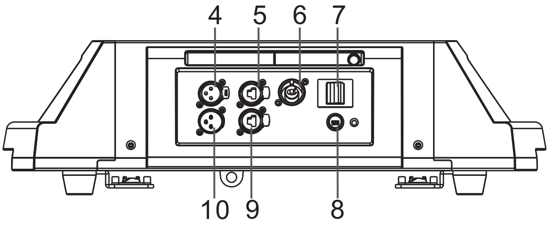
2. **Arm**
360 unlimited rotating.

3. **Base**

17. **WDMX wire**
(No pulling out to avoid damaging of collision to arm.**)**

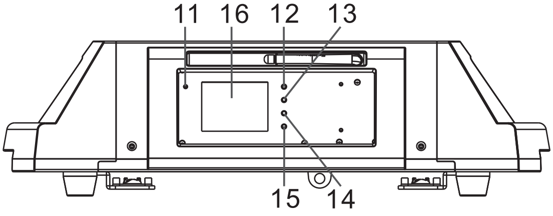
BACK PANEL

4.3-pin XLR female
5.Network interface
6.Power-in
7.Power switch
8.Insurance seat
9.Network interface
10.3-pin XLR male

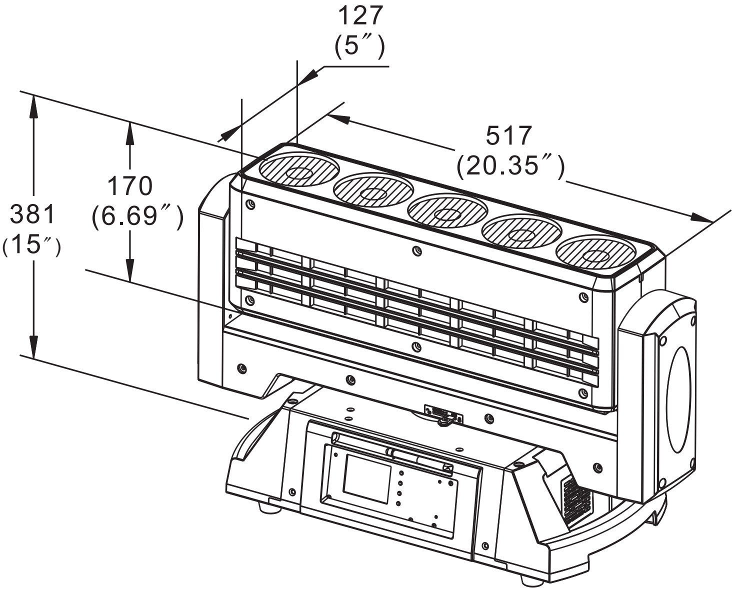


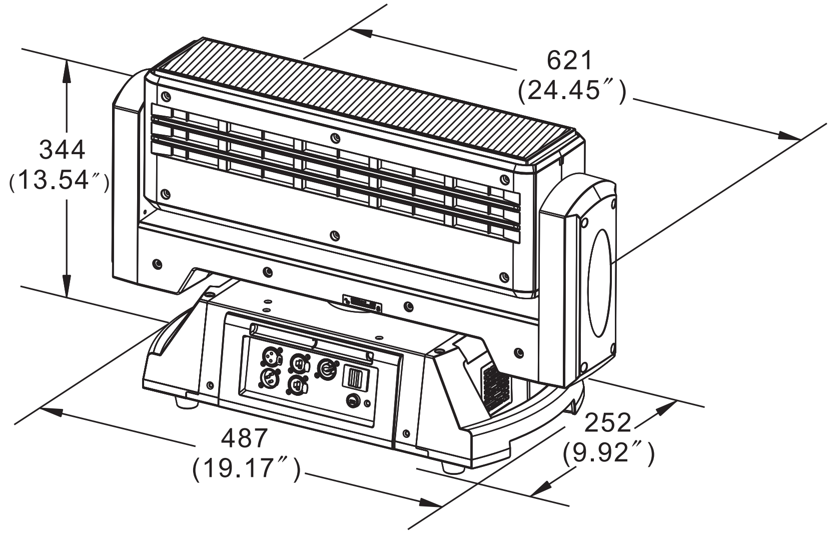
CINTROL PANEL

11.Status indicator lamp
12.MODE button
13.UP button
14. DOWN button
15. ENTER button
16. Touch screen(LCD display)


11
16
12
13
15
14

6.Dimension


127
(5″)
517
(20.35″)
170
(6.69″)
381
(15″)


621
(24.45″)
344
(13.54″)
487
(19.17″)
252
(9.92″)

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).

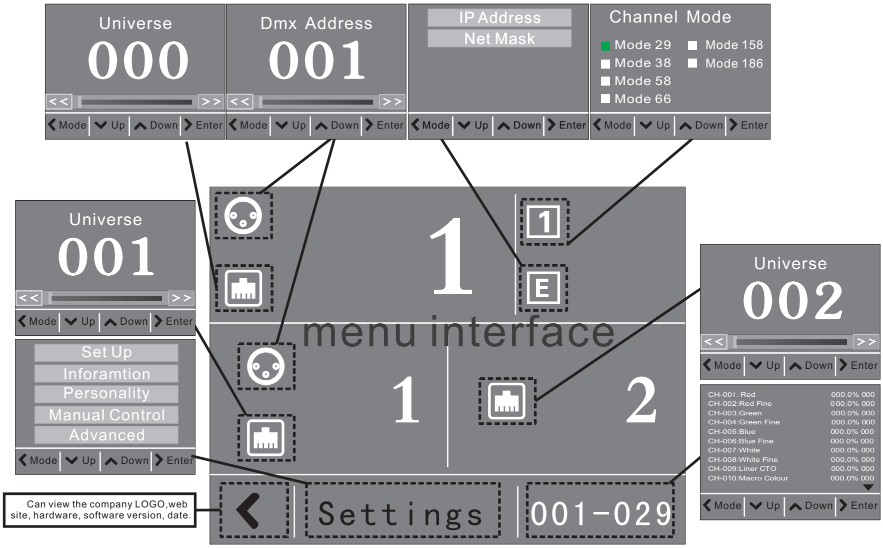
Press the MODE button to return to menu. Set a time 0 to 10 minutes automatically exit menu interface and close the screen.

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 thelamps and lanterns and connection between the control table is normal.


Universe
000
<< >>
Mode Up Down Enter
Dmx Address
001
<< >>
Mode Up Down Enter
IP Address
Net Mask
Mode Up Down Enter
Channel Mode
🟩 Mode 29
■ Mode 38
■ Mode 58
■ Mode 66
■ Mode 158
■ Mode 186
Mode Up Down Enter
Universe
001
<< >>
Mode Up Down Enter
Set Up
Inforamtion
Personality
Manual Control
Advanced
Mode Up Down Enter
1
1
E
menu interface
1
2
Settings
001-029
Universe
002
<< >>
Mode Up Down Enter
Mode Up Down Enter

CH-001 : Red 000.0% 000
CH-002:Red Fine 000.0% 000
CH-003:Green 000.0% 000
CH-004:Green Fine 000.0% 000
CH-005:Blue 000.0% 000
CH-006:Blue Fine 000.0% 000
CH-007:White 000.0% 000
CH-008:White Fine 000.0% 000
CH-009:Liner CTO 000.0% 000
CH-010:Macro Colour 000.0% 000

Can view the company LOGO,web site, hardware, software version, date.

menu interface

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

Click on the main interface of the icon, numerical to view view Settings related information of lamps and lanterns.Symbols such as the main interface appear “⚠ “,the following error message indicates that there might be a lamps and lanterns,can click to view and control information content to modify the lamps and lanterns.

CODE #	ERRO INFO	CHECK MEASURMENT	NOTE
E01	SpiFlashError	Check the welding of memory IC	RESET ERROR
E02	Program Err 1	Check the welding of Chip	
E03	Program Err 2	Check the welding of master IC EP3C	
E04	MBDInit Error	Check the communication signal 485& 485 chip & memory IC	
E05	BD1Init Error		
E06	BD2Init Error	Check main cable ABAB（485） chip	
E12	BusErr1		
E14	SPDError	Check the welding of master IC	
E16	MFpga Error	Check the communication signal& welding of communication chip	
E17	BD1 BUS Error		
E18	BD2 BUS Error		
E21	Pan FB. Err	Check the light coupling line, optical coupling switch and a plate of the relative position measurement	
E23	Tilt FB. Err		
E22	Pan Zero Err	Check cable of sensor, distance and location of ,magnets and sensor	
E24	Tilt Zero Err		
E37	B.Fan1 Error	Check the fan of head	
E45	EthMDL Error	Check the fan of ArtNet、communication signal	

7.3 Menu list

				Remark
Set up	Basic Engine	Universe	0~255	
		DMX Address	000~XXX	
	Strobe Engine	Universe	0~255	
		DMX Address	000~XXX	
	Pixels Engine	Universe	0~255	
	Fixture Id	0001~9999		Lamps address
	Channel Mode	Mode 1	1~29	default Mode1
		Mode 2	1~38	
		Mode 3	1~58	
		Mode 4	1~66	
		Mode 5	1~158	
		Mode 6	1~186	
	Ethernet	IPAddress	002.XXX.XXX.XXX	
			Confirm	
		Netmask	255.XXX.XXX.XXX	
			Confirm	
Information	Fixture Times	XXXXX h XX m		Total working hours
	LED Times	LED On Times	XXXXh XXm	Lamp On working hours
		Reset Lamp Time	Input Password	Reset Lamp Time
	Error List			Error details
	Diagnosis	BOARD 1: XX.XX%		Diagnosis
		BOARD 2: XX.XX%		
		BOARD 3: XX.XX%		
		BOARD 4: XX.XX%		
		BOARD 5: XX.XX%		
	DMX Values			DMX Values
	Fans Monitor			Fans Monitor
Personality	Pan/Tilt	Pan Reverse ON/OFF		Pan Reverse (defaul OFF)
		Tilt Reverse ON/OFF		Tilt Reverse(defaul OFF)
		Feedback ON/OFF		Pan/Tilt Auto Switch(defaul ON)
	Dmx Input	Wired Input		Wired Input(defaul)
		Wireless Input		Wireless Input
		Wireless In/XLR out		Wireless In/XLR out
		Ethnet Input		Ethnet Input
	Screen	Brightness		Brightness
		Screen Time out 0–10m		Screen Time out
		Touch Screen ON/OFF		Touch Screen(defaul ON)
		Auto Screen ON/OFF		Auto Screen(defaul ON)
	Fan Mode	Auto		Defaul Auto
		High		
Manual Control	Reset	Reset Pan/Tilt		
	Channel			Chanel Testing
	Deom			
Advanced	Calibration	Input Password XXXX		Chanel Adgusting
	Factory Default	ON/OFF		Reset to orignal parameters
	Touch Calibration			Touch screen adjusting

8.DMX protocol

Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Name	Function	DMX Value
1	1	1	1	1	1	Red	Black→Red 0–100%	0–255
2	2	2	2	2	2	Red fine	Red fine	0–255
3	3	3	3	3	3	Green	Black→Green 0–100%	0–255
4	4	4	4	4	4	Green fine	Green fine	0–255
5	5	5	5	5	5	Blue	Black→Blue 0–100%	0–255
6	6	6	6	6	6	Blue fine	Blue fine	0–255
7	7	7	7	7	7	White	Black→White 0–100%	0–255
8	8	8	8	8	8	White fine	White fine	0–255
9	9	9	9	9	9	Linear CTO	Reserve	0–14
							8000K	15–44
							7000K	45–74
							6000K	75–104
							5600K	105–134
							5000K	135–164
							4000K	165–194
							3200K	195–224
							2500K	225–255
10	10	10	10	10	10	Macro colour	Macro color OFF	0–9
							Red	10
							Green	11
							Blue	12
							Cyan	13
							Yellow	14
							Magenta	15
							White 7000 K	16
							White 3700 K	17
							White 5000 K	18
							Black	19
							Medium Yellow	20–22
							Straw Tint	23–26
							Surprise Peach	27–28
							Fire	29
							Medium Amber	30
							Gold Amber	31
							Dark Amber	32–34
							Sunrise Red	35–44
							Light Pink	45
							Medium Pink	46–48
							Pink Carnation	49–61
							Light Lavender	62–67
							Lavender	68–77
							Sky Blue	78–88
							Just Blue	89–99
							Dark yellow green	100–109
							Spring Yellow	110–111
							Light Amber	112
							Straw	113
							Deep Amber	114
							Orange	115–116
							Light Rose	117
							English Rose	118
							Light Salmon	119
							Middle Rose	120
							Dark Pink	121–122
							Magenta	123–124
							Peacock Blue	125
							Med Blu Green	126
							Steel Blue	127
							Light Blue	128
							Dark Blue	129–130
							Leaf Green	131–133

Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Name	Function	DMX Value
10	10	10	10	10	10	Macro colour	Dark Green	134–135
							Mauve	136–137
							Bright Pink	138–141
							Medium Blue	142–144
							Deep Golden Amber	145
							Pale Lavender	146
							Special lavender	147–148
							Primary Green	149–150
							Bright Blue	151–156
							Apricot	157–161
							Pale Gold	162–167
							Deep Orange	168–171
							Bastard Amber	172–173
							Flame Red	174
							Daylight Blue	175–178
							Lilac Tint	179
							Deep lavender	180–183
							Dark Steel Blue	184–190
							Congo Blue	191–206
							Alice Blue	207
							Dirty White	208
							White	209–255
11	11	11	11	11	11	Strobe	CLOSED	0–3
							STROBE SLOW→FAST（1→25 flash/sec）	4–103
							OPEN	104–107
							PULSATION SLOW→FAST（0.5–25 flash/sec）	108–207
							OPEN	208–212
							RANDOM SLOW STROBE	213–225
							RANDOM MEDIUM STROBE	226–238
							RANDOM FAST STROBE	239–251
							OPEN	252–255
12	12	12	12	12	12	Dimmer	Dimmer 0–100%	0–255
13	13	13	13	13	13	Dimmer Fine	Dimmer Fine 0–100%	0–255
14	14	14	14	14	14	Pan	Pan	0–255
15	15	15	15	15	15	Pan Fine	Pan Fine	0–255
16	16	16	16	16	16	Pan Rotation	UNUSED RANGE	0–2
							CW Rotation speed from fast to slow	3–126
							Stop Rotation	127–130
							CW Rotation speed from slow to fast	130–255
17	17	17	17	17	17	Tilt	Tilt	0–255
18	18	18	18	18	18	Tilt Fine	Tilt Fine	0–255
19	19	19	19	19	19	Tilt Rotation	UNUSED RANGE	0–2
							CW Rotation speed from fast to slow	3–126
							Stop Rotation	127–130
							CW Rotation speed from slow to fast	130–255
20	21	22	23	24	25	Function	The functions are actived passing through the"unused range” and staying 5 seconds.	
							Function off –rearmed	0–11
							Pan Tilt Fast (Default)	12–24
							Pan Tilt Normal	25–37
							Dimmer Curve 1	38–42
							Dimmer Curve 2	43–47
							Dimmer Curve 3	48–52
							Dimmer Curve 4	53–57
							RGBW Gamma curve 1 –gamma =1.0	58–62
							RGBW Gamma curve 2 –gamma =1.5	63–67
							RGBW Gamma curve 3 –gamma =2.0	68–72
							Activate the following function channel 9 linear CTO automatically shut down.	
							Strobe Ethernet control open (default)	73–77
							Strobe Ethernet control	78–82
							Strobe pixel Ethernet control open (default)	83–87

Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Name	Function	DMX Value
20	21	22	23	24	25	Function	Strobe pixel Ethernet control control	88–92
							Strobe channel merger (default)	93–97
							Strobe independence	98–102
							Stroboscopic crosswise (default)	103–107
							Stroboscopic arrangement	108–112
							Flashing up and down	103–117
							PAN / TILT RESET	118–122
							Unused range	128–255
21	21	21	21	21	21	Pixels R	Pixels R 0–100%	0–255
22	22	22	22	22	22	Pixels R Fine	Pixels R Fine 0–100%	0–255
23	23	23	23	23	23	Pixels G	Pixels G 0–100%	0–255
24	24	24	24	24	24	Pixels G Fine	Pixels G Fine 0–100%	0–255
25	25	25	25	25	25	Pixels B	Pixels B 0–100%	0–255
26	26	26	26	26	26	Pixels B Fine	Pixels B Fine 0–100%	0–255
27	27	27	27	27	27	Strobe	CLOSED	0–3
							STROBE SLOW→FAST（1→25 flash/sec）	4–103
							OPEN	104–107
							PULSATION SLOW→FAST（0.5–25 flash/sec）	108–207
							OPEN	208–212
							RANDOM SLOW STROBE	213–225
							RANDOM MEDIUM STROBE	226–238
							RANDOM FAST STROBE	239–251
							OPEN	252–255
28	28	28	28	28	28	Pixels Dimmer	Pixels Dimmer 0–100%	0–255
29	29	29	29	29	29	Pixels Dimmer Fine	Pixels Dimmer Fine 0–100%	0–255
	30	30	30	30	30	Shape Selection	Reserve	0–7
							Single pulsation	8
							Divergence	9
							Single spaced interval 1	10
							Single spaced interval 2	11
							Single spaced interval 3	12
							Single spaced interval 4	13
							Reserve	14–255
	31	31	31	31	31	Shape Speed	Radius size,Static	0–63
							max to min speed	64–158
							Stop	159–160
							min to max speed	161–255
	32	32	32	32	32	Shape Fade	Shape Fade 0–100%	0–255
	33	33	33	33	33	Shape R	Shape R 0–100%	0–255
	34	34	34	34	34	Shape G	Shape G 0–100%	0–255
	35	35	35	35	35	Shape B	Shape B 0–100%	0–255
	36	36	36	36	36	Shape W	Shape W 0–100%	0–255
	37	37	37	37	37	Shape Dimmer	Shape Dimmer 0–100%	0–255
	38	38	38	38	38	Shape Strobe	CLOSED	0–3
							STROBE SLOW→FAST（1→25 flash/sec）	4–103
							OPEN	104–107
							PULSATION SLOW→FAST（0.5–25 flash/sec）	108–207
							OPEN	208–212
							RANDOM SLOW STROBE	213–225
							RANDOM MEDIUM STROBE	226–238
							RANDOM FAST STROBE	239–251
							OPEN	252–255
		39	39		39	Red LED 1	Red 0–100%	0–255
		40	40		40	Green LED 1	Green 0–100%	0–255
		41	41		41	Blue LED 1	Blue 0–100%	0–255
		42	42		42	White LED 1	White 0–100%	0–255
		43	43		43	Red LED 2	Red 0–100%	0–255
		44	44		44	Green LED 2	Green 0–100%	0–255
		45	45		45	Blue LED 2	Blue 0–100%	0–255
		46	46		46	White LED 2	White 0–100%	0–255
		47	47		47	Red LED 3	Red 0–100%	0–255
		48	48		48	Green LED 3	Green 0–100%	0–255
		49	49		49	Blue LED 3	Blue 0–100%	0–255

Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Name	Function	DMX Value
		50	50		50	White LED 3	White 0–100%	0–255
		51	51		51	Red LED 4	Red 0–100%	0–255
		52	52		52	Green LED 4	Green 0–100%	0–255
		53	53		53	Blue LED 4	Blue 0–100%	0–255
		54	54		54	White LED 4	White 0–100%	0–255
		55	55		55	Red LED 5	Red 0–100%	0–255
		56	56		56	Green LED 5	Green 0–100%	0–255
		57	57		57	Blue LED 5	Blue 0–100%	0–255
		58	58		58	White LED 5	White 0–100%	0–255
			59		59	Pixels Shape Selection	Reserve	0–7
							Vertical divergence 1	8
							Vertical divergence 2	9
							Vertical random elongation	10
							Vertical random	11
							Vertical sequence flow	12
							Vertical single diffusion	13
							Vertical two pulsation 1	14
							Vertical two pulsation 2	15
							Vertical two pulsation 3	16
							Transverse sequence flow	17
							Transverse random elongation	18
							Lateral divergence	19
							Single snaking beating	20
							Single point following runout 1	21
							Single point random beating	22
							Single point following runout 2	23
							Single point following runout 3	24
							Single point following runout 4	25
							Single point following runout 5	26
							Square jitter	27
							Strip spinning	28
							Small strip beating 1	29
							Small strip beating 2	30
							Single point following runout 5	31
							Reserve	32–255
			60		60	Pixels Shape Speed	Radius size,Static	0–63
							max to min speed	64–158
							Stop	159–160
							min to max speed	161–255
			61		61	Pixels Shape Fade	Shape Fade 0–100%	0–255
			62		62	Pixels Shape R	Shape R 0–100%	0–255
			63		63	Pixels Shape G	Shape G 0–100%	0–255
			64		64	Pixels Shape B	Shape B 0–100%	0–255
			65		65	Pixels Strobe	CLOSED	0–3
							STROBE SLOW→FAST（1→25 flash/sec）	4–103
							OPEN	104–107
							PULSATION SLOW→FAST（0.5–25 flash/sec）	108–207
							OPEN	208–212
							RANDOM STROBE SLOW→FAST	213–251
							OPEN	252–255
			66		66	Pixels Shape Dimmer	Shape Dimmer 0–100%	0–255
				39	67	Pixels 1 R	Pixels 1 R 0–100%	0–255
				40	68	Pixels 1 G	Pixels 1 G 0–100%	0–255
				41	69	Pixels 1 B	Pixels 1 B 0–100%	0–255
				42	70	Pixels 1 Dimmer	Pixels 1 Dimmer 0–100%	0–255
				43	71	Pixels 1 Shape Fade	Pixels 1 Shape Fade	0–255
				44	72	Pixels 1 Shape Speed	Pixels 1 Shape Speed	0–255
				45	73	Pixels 2 R	Pixels 2 R 0–100%	0–255
				46	74	Pixels 2 G	Pixels 2 G 0–100%	0–255
				47	75	Pixels 2 B	Pixels 2 B 0–100%	0–255

Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Name	Function	DMX Value
				48	76	Pixels 2 Dimmer	Pixels 2 Dimmer 0–100%	0–255
				49	77	Pixels 2 Shape Fade	Pixels 2 Shape Fade	0–255
				50	78	Pixels 2 Shape Speed	Pixels 2 Shape Speed	0–255
				51	79	Pixels 3 R	Pixels 3 R 0–100%	0–255
				52	80	Pixels 3 G	Pixels 3 G 0–100%	0–255
				53	81	Pixels 3 B	Pixels 3 B 0–100%	0–255
				54	82	Pixels 3 Dimmer	Pixels 3 Dimmer 0–100%	0–255
				55	83	Pixels 3 Shape Fade	Pixels 3 Shape Fade	0–255
				56	84	Pixels 3 Shape Speed	Pixels 3 Shape Speed	0–255
				.	.	.	.	.
				.	.	.	.	.
				.	.	.	.	.
				153	181	Pixels 20 R	Pixels 20 R 0–100%	0–255
				154	182	Pixels 20 G	Pixels 20 G 0–100%	0–255
				155	183	Pixels 20 B	Pixels 20 B 0–100%	0–255
				156	184	Pixels 20 Dimmer	Pixels 20 Dimmer 0–100%	0–255
				157	185	Pixels 20 Shape Fade	Pixels 20 Shape Fade	0–255
				158	186	Pixels 20 Shape Speed	Pixels 20 Shape Speed	0–255

9.Maintance and cleaning

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

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.

Replacing the fuse: If the lamp burns out,the fine-wire fuse of the device might fuse,too.Only replace the fuse by a fuse of same type and rating.Before replacing the fuse,unplug mains lead.

Maintenance and maintenance of the operation, please contact the manufacturer or distributor.

10.Electric equipment specification

10.1 Electrical paramters

SOURCE:RGBW 5LED-60W+ RGB 1280LED-0.2W

POWER:800W

VOLTAGE:AC100-240V 50/60HZ

Color Temperature:6500K

10.2 Weight and dimensions

Dimensions：621X252X381mm
NET WEIGHT:20Kg
Dimensions（Carton Package）: 735X470X390mm
WEIGHT（Carton Package）: 24Kg
Dimensions（Flight Case -2 lights):1260X680X558mm
NET WEIGHT/WEIGHT（Flight Case -2 lights）: 71Kg/159Kg

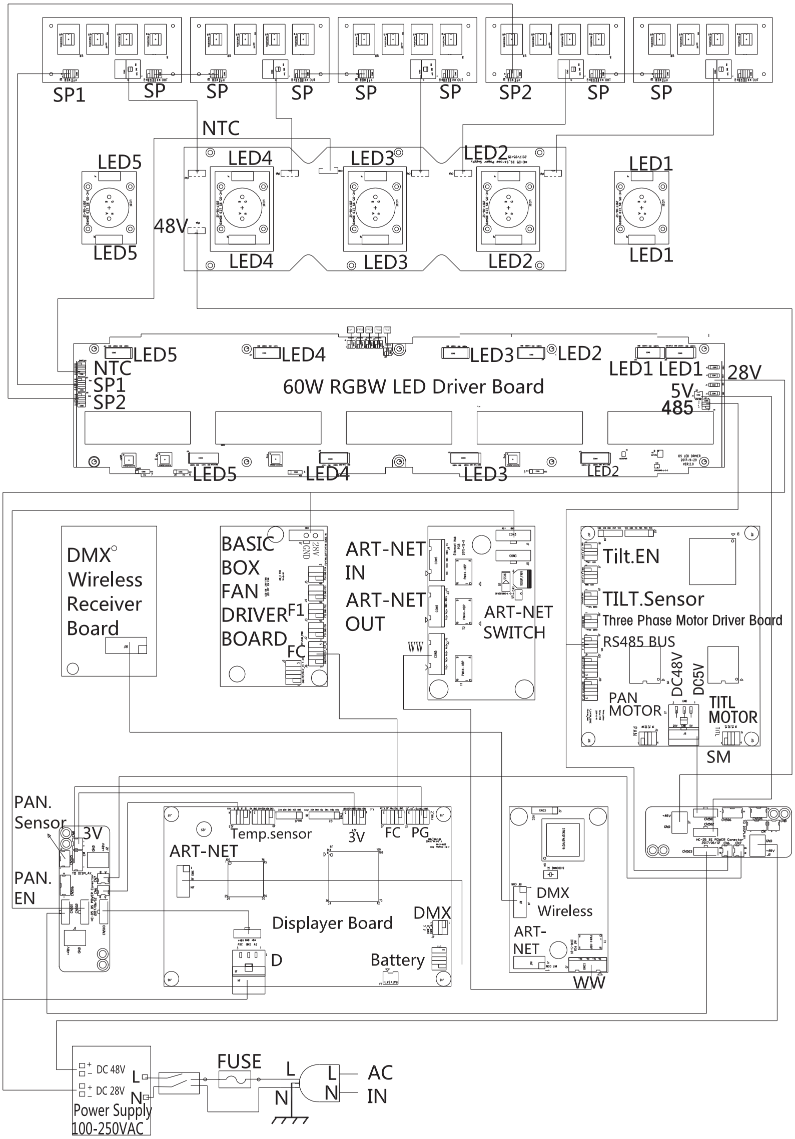
10.3 Channel Characteristics

1. 29、38、58、66、158、186 Seven standard DMX channel model.
2. Scan: Pan、Tilt 360° arbitrary position, 360° polerotation,Fixture could auto reset.
3. Shutter: electronic shutter,random strobe.
4. Demmer: limear dimmer.
5. 5 RGBW lamp can be controlled separately.40X8 RGB Pixels.
6. The network control mode and DMX control mode have independent control and combined control.

10.4 Menu Function

1. Touch screen，English menu.
2. DMX values and communication quality values can be displayed in each channel. .
3. Monitor could ON/OFF automatically.
4. Display the time using of lighting feature and lamp as well as the times of turning on for lamp.
5. After the DMX signal is disconnected, the display will be bright and dark.
6. With DMX software upgrade.

11.Electronic drawing


SP1
SP
SP
SP
SP
SP
SP2
SP
SP
NTC
LED5
LED4
LED3
LED2
LED1
48V
LED5
LED4
LED3
LED2
LED1
LED5
NTC
SP1
SP2
LED4
LED3
LED2
LED1 LED1
28V
60W RGBW LED Driver Board
5V
485
LED5
LED4
LED3
LED2
DMX
Wireless
Receiver
Board
BASIC
BOX
FAN
DRIVER
BOARD
F1
FC
28V
GND
ART-NET
IN
ART-NET
OUT
ART-NET
SWITCH
WW
Tilt.EN
TILT.Sensor
Three Phase Motor Driver Board
RS485 BUS
DC48V
DC5V
PAN
MOTOR
TITL
MOTOR
SM
PAN.
Sensor
3V
PAN.
EN
Temp.sensor
3V
FC
PG
ART-NET
Displayer Board
DMX
D
Battery
DMX
Wireless
ART-
NET
WW
DC 48V
DC 28V
L
N
Power Supply
100-250VAC
FUSE
L
N
L
N
AC
IN

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.