PRESTIGE

LED LIGHTING

Vivid S150W Moving Spot

USER MANUAL

PRESTIGE
LED LIGHTING

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1. SUMMARY

Thank you for purchasing our Vivid S150W Moving Spot. Please read these instructions carefully before operating the system to avoid any possible damage or misuse.

PRODUCT INTRODUCTION

The Vivid Moving Spot is lightweight, energy-saving and uses a 150W LED light source. Its' output luminous flux reaches 6200ml, and it has a 50000-100000 hour life span. The configuration for the fixture includes: 2 gobo wheels, iris, zoom, focus, prism and atomization, and its rotation angle can reach 540° Pan and 270° Tilt. It is recommended that an international standard DMX 512 signal is used for best results, however using both a DMX512 and DMX Ethernet network is optional.
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CONTENT LIST

- o Vivid S150W Moving Spot (x1)
- o DMX Signal Line (x1)
- o Clamp Hanger (x2)
- o Quick Release Lock (x4)
- o Safety Cable (x1)
- o The user manual (x1)
- o Warranty Card (x1)

2. SAFETY INFORMATION

SAFETY NOTES

Seek advice from a professional prior to authoring any repairs
Always ensure the system is disconnected from the power source before assembling, deconstructing and moving
Avoid direct eye exposure when in use

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SAFETY INSTRUCTIONS

Ensure the power supply voltage corresponds with the required voltage for the lights, and is within the range of the requested technical restrictions.

Before installing, check the lights' fasteners and mechanical structures are in good condition and there is no apparent damage.

This light is designed for indoor use, however the working temperature must be kept below 50 degrees. The protection rate is IP20, and the fixture should avoid liquids – do not use in humid, overheated and dusty conditions.

The fixtures can be mounted in any position, provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items within 0.5 meters of the fixture.

The yellow/green cables are for earthling safety. These should not flicker when fixture is in use. Do not connect the fixture or power cords with any other dimming devices or power cords.

3. PRODUCT DIAGRAMS

Dimensions:

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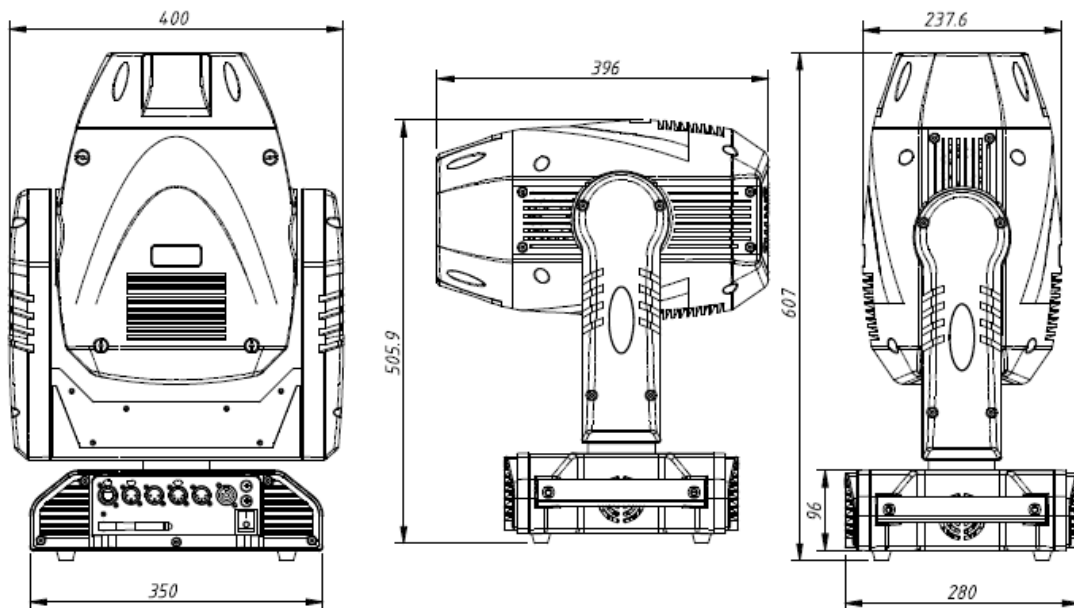
Installation Instructions:

Clamp

hanger

Bracket
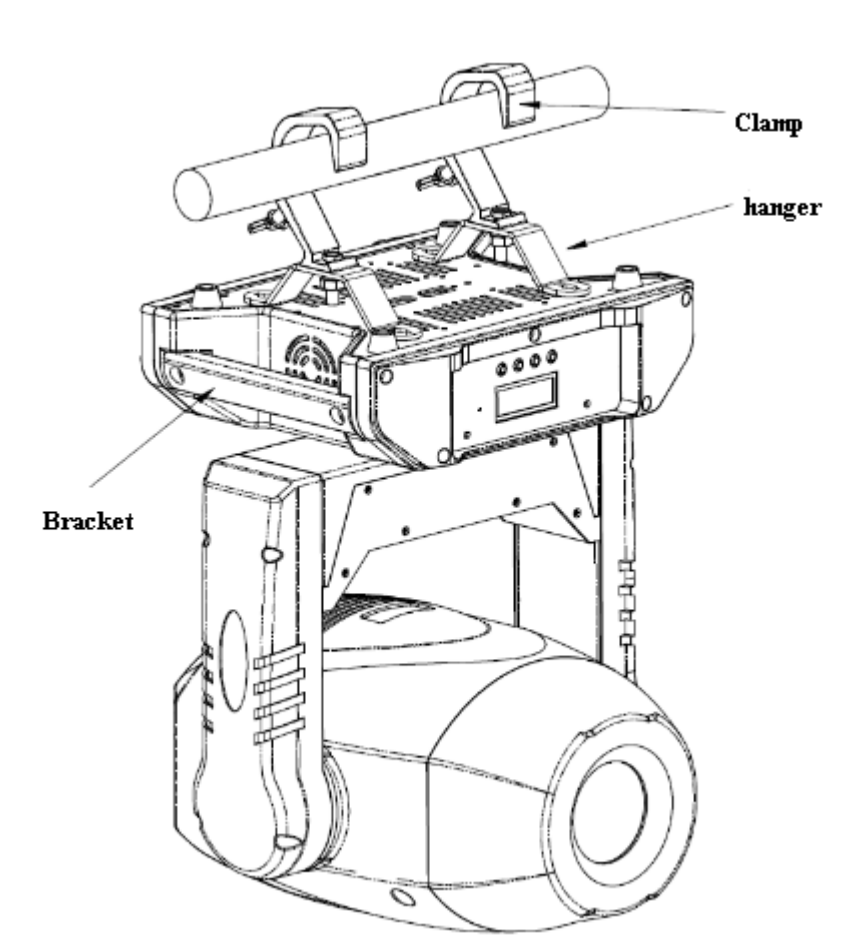
⚠ Warming: The safety rope go throught this hold and connect to make sure safety

14.8

182
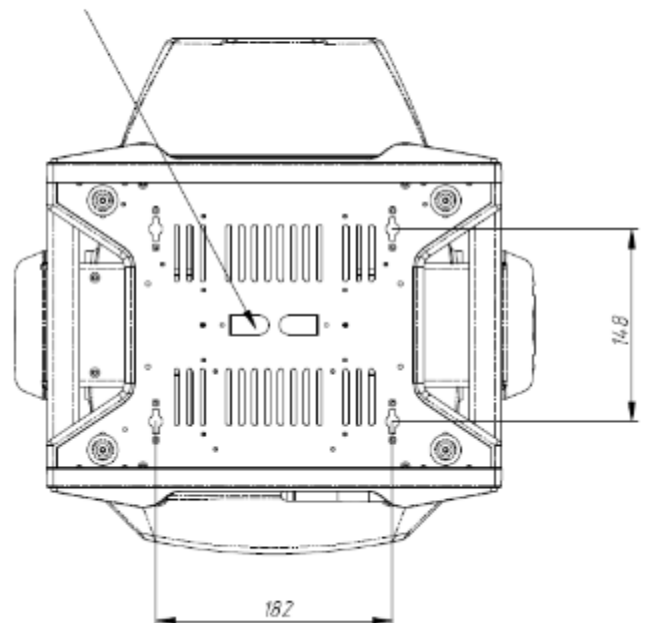
Charging Interchangeable Gobos:

---
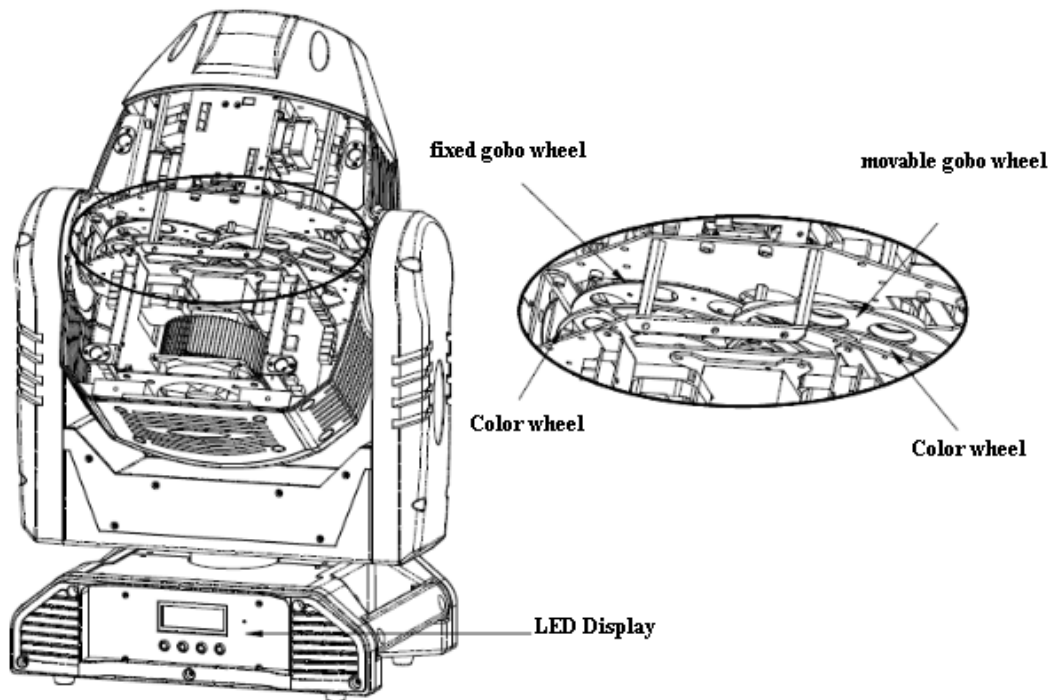
4. FEATURES

- o 150W high brightness LED
- o 2 gobo wheels, 2 color wheels, iris, zoom, focus, prism and Atomization
- o Complies with DMX512 protocol. Wireless DMX and DMX Ethernet network is optional.
- o The color wheel can reach any position
- o 2 DMX channel modes
- o Multi strobe effect, 5 dimmer modes
- o Sound control, auto run
- o Master-slave mode: no need to set slave manually; the slave will receive data from master automatically
- o The fixture parameter is available for downloaded
- o When the fan is not working, the LED won't light up

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5. DMX CONTROL

DMX CHANNELS

17channels	19channels	DMX value	function
CH1	CH1	0~255	**dimming Intensity** Zero→full
CH2	CH2	0~10 11~20 21~60 61~100 101~140 141~180 181~220 221~255	**Shutter Strobe** Shutter Closed Shutter Open Strobe slow→fast Electronic Sinewave slow→fast Random Strobe slow→fast Opening pulse slow→fast Closing pulse slow→fast Electronic Squarewave slow→fast
CH3	CH3	0~255	Pan
-	CH4	0~255	Pan,fine
CH4	CH5	0~255	Tilt
-	CH6	0~255	Tilt,fine
CH5	CH7	0-255	Pan/tilt speed fast→slow
CH6	CH8	0~10 11~20 21~30 31~40 41~50 51~60 61~70 71~80 81~90 91~100 101~110 111~120 121~130 131~140 141~150 151~190 191~230 231~240 241~255	**Gobo 1** no gobo gobo1 gobo2 gobo3 gobo4 gobo5 gobo6 gobo7 shaking gobo1 shaking gobo2 shaking gobo3 shaking gobo4 shaking gobo5 shaking gobo6 shaking gobo7 CW flow effect slow→fast CCW flow effect slow→fast sound running Reserved
CH7	CH9	0~20 21~80 81~140 141~220 221~255	**Gobo rotation** No rotation CW slow→fast CCW slow→fast CW→CCW cycle slow→fast Reserved
CH8	CH10		**Gobo 2**

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		Value	Description
		0~10	no gobo
		11~20	gobo1
		21~30	gobo2
		31~40	gobo3
		41~50	gobo4
		51~60	gobo5
		61~70	gobo6
		71~80	gobo7
		81~90	shaking gobo1
		91~100	shaking gobo2
		101~110	shaking gobo3
		111~120	shaking gobo4
		121~130	shaking gobo5
		131~140	shaking gobo6
		141~150	shaking gobo7
		151~190	CW flow effect slow→fast
		191~230	CCW flow effect slow→fast
		231~240	sound running
		241~255	Reserved
CH9	CH11	0~10	**Color wheel 1** Open(white)
			Continuously scrolling color wheel position
		11~17	Open→Color 1
		18	Color 1
		19~25	Color 1→Color 2
		26	Color 2
		27~33	Color 2→Color 3
		34	Color 3
		35~41	Color 3→Color 4
		42	Color 4
		43~49	Color 4→Color 5
		50	Color 5
		51~57	Color 5→Color 6
		58	Color 6
		59~65	Color 6→Color 7
		66	Color 7
		67~73	Color 7→Open
		74	Open
			Stepped scroll (indexed) color wheel positions
		74~80	Open white
		81~90	Color 1 dark blue
		91~100	Color 2 orange
		101~110	Color 3 red
		111~120	Color 4 purple
		121~130	Color 5 green
		131~140	Color 6 pink
		141~150	Color 7 light yellow
		151~180	CW flow effect slow→fast
		181~190	Color wheel stop
		191~220	CCW flow effect slow→fast
		221~230	sound running
		231~255	

			Reserved
CH10	CH12	0~10	**Color wheel 2** Open(white) **Continuously scrolling color wheel position**
		11~17	Open→Color 1
		18	Color 1
		19~25	Color 1→Color 2
		26	Color 2
		27~33	Color 2→Color 3
		34	Color 3
		35~41	Color 3→Color 4
		42	Color 4
		43~49	Color 4→Color 5
		50	Color 5
		51~57	Color 5→Color 6
		58	Color 6
		59~65	Color 6→Color 7
		66	Color 7
		67~73	Color 7→Open
		74	Open
			Stepped scroll (indexed) color wheel positions
		74~80	Open white
		81~90	Color 1 fluorescent
		91~100	Color 2 light green
		101~110	Color 3 cooling tablet
		111~120	Color 4 copious cooling
		121~130	Color 5 yellow
		131~140	Color 6 wine red
		141~150	Color 7 light blue
		151~180	CW flow effect slow→fast
		181~190	Color wheel stop
		191~220	CCW flow effect slow→fast
		221~230	sound running
		231~255	Reserved
CH11	CH13	0~150	**Iris** Open→closed
		151~190	Opening pulse slow→fast
		191~230	Closing pulse slow→fast
		231~255	Reserved
CH12	CH14	0~255	Zoom zoom in→zoom out
CH13	CH15	0~255	Focus
CH14	CH16	0~10	**Prism** No prism
		11~20	prism active
		21~100	CW slow→fast
		101~180	CCW slow→fast
		181~255	CW→CCW cycle slow→fast
CH15	CH17	0~50	No atomization
		51~255	Atomization
CH16	CH18		**Blackout while P/T moving**
		0~50	Disable

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		51~255	Enable
CH17	CH19		**Control channel**
		0~10	Dimmer modes set by menu
		11~20	Dimmer off
		21~30	Dimmer 1
		31~40	Dimmer 2
		41~50	Dimmer 3
		51~60	Dimmer 4
		61~254	Dimmer modes set by menu
		255	Reset (at least keep 5S)

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6. DISPLAY OPERATION INSTRUCTIONS

150W LED Moving head

MIC

MENU   UP   DOWN ENTER
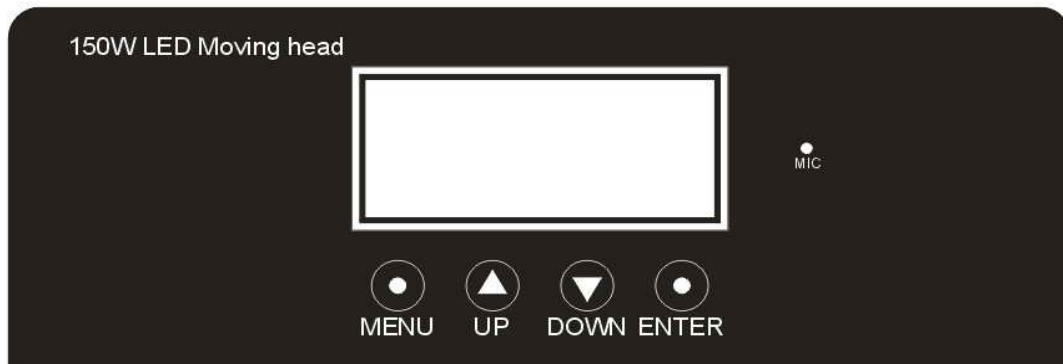
DMX Ethernet can be ordered seperately

3PIN-XLR

5PIN-XLR

FUSE 10A
N

L

ETHERNET   DMX IN   DMX OUT   DMX IN   DMX OUT   POWER
AC 100-240V
ON

OFF
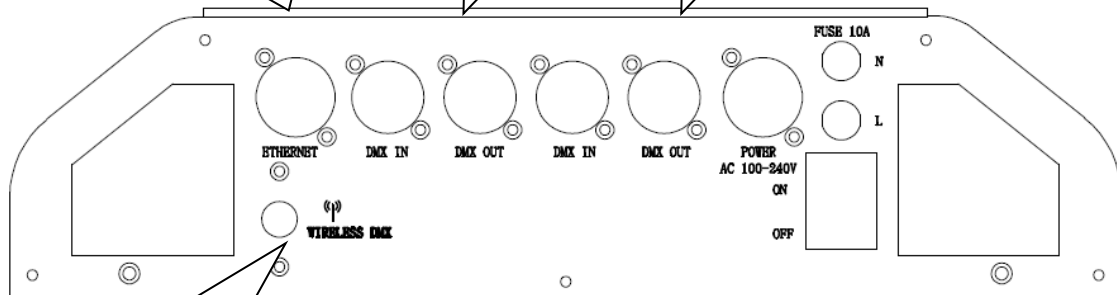
WIRELESS DMX

Wireless DMX can be ordered seperately

MENU: Return to the main menu or a previous menu option
ENTER: Select the current menu option or save the option
UP: Increase the menu selection
DOWN: Decrease the menu selection

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7. MENU INSTRUCTIONS

7.1 MENU

MENU	DMX ADDRESS	001-512	
	OPTION	PAN INVERTE	ON/<u>OFF</u>
		TILT INVERTE	ON/<u>OFF</u>
		P/T SWAP	ON/<u>OFF</u>
		P/T FEEDBACK	<u>ON</u>/OFF
		DIMMER MODE	OFF,DIMMER1,DIMMER2,DIMMER3,<u>DIMMER4</u>
		CHANNEL MODE	17CH/<u>19CH</u>
	DISPLAY	DISPLAY INTENSITY	01-32
		DISPLAY SLEEP	PERMANENTLY ON/<u>2 MINUTES</u>/5 MINUTES/10 MINUTES
	MANUAL CONTROL	CH1:INTENSITY	0-255
		CH2:SHUT/STROBE	0-255
		CH3:PAN	0-255
		CH4:PAN FINE	0-255
		CH5:TILT	0-255
		CH6:TILT FINE	0-255
		CH7:P/T SPEED	0-255
		CH8:GOBO1	0-255
		CH9:GOBO1 ROTATE	0-255
		CH10:GOBO2	0-255
		CH11:COLOR1	0-255
		CH12:COLOR2	0-255
		CH13:IRIS	0-255
		CH14:ZOOM	0-255
		CH15:FOCUS	0-255
		CH16:PRISM	0-255
		CH17:ATOMIZATION	0-255
		CH18:MOVING	0-255

		BLACKOUT	
		CH19:CONTROL	0
	CALIBRATION	GOBO1	0-255
		GOBO2	0-255
		COLOR1	0-255
		COLOR2	0-255
		PRISM ATOMIZATION	0-255 0-255
	TEST OPERATION	SOUND CONTROL	RUNNING… *
		AUTO	RUNNING… *
	FACTORY DEFAULT	CALIBRATION LOAD	YES/NO
		SETTING LOAD	YES/NO
	FIXTURE RESET	YES/NO	
	SEND SETTING	YES/NO	

Note:
1. When entering MENU , the fixture is set automatically as a master to send data for the other fixtures to receive and work synchronously. When turning on the light after the power has been off, the fixture will return to the same position.
2. The content with underline is factory default value

7. 2 DMX ADDRESS CODE SETTING

MENU	DMX ADDRESS	001-512

◆ Choose DMX ADDRESS from menu and press   ENTER   to set DMX address code
◆ Press UP/DOWN to select address code   1~512
◆ Press ENTER to exit and save your option

7. 3 OPTION SETTING

MENU	OPTION	PAN INVERTE	ON/OFF
		TILT INVERTE	ON/OFF
		P/T SWAP	ON/OFF
		P/T FEEDBACK	ON/OFF
		DIMMER MODE	OFF,DIMMER1,DIMMER2,DIMMER3,DIMMER4
		CHANNEL MODE	17CH/19CH

7. 3. 1 PAN INVERTE

Choose【PAN INVERTE】from menu, press【ENTER】to select PAN INVERTE

Press【UP/DOWN】to choose【ON】or【OFF】

Press【ENTER】to exit and save the option

7. 3. 2 TILT INVERTE

Choose【TILT INVERTE】from menu, press【ENTER】to select TILT INVERTE

Press【UP/DOWN】to choose【ON】or【OFF】

Press【ENTER】to exit and save the option

7. 3. 3 PAN/TILT SWAP

Choose【P/T SWAP】from menu, press【ENTER】to select PAN/TILT SWAP

Press【UP/DOWN】to choose【ON】or【OFF】

Press【ENTER】to exit and save the option

7. 3. 4 PAN/TILT FEEDBACK

Choose【P/T FEEDBACK】from menu, press【ENTER】to select PAN/TILT FEEDBACK

Press【UP/DOWN】to choose【ON】or【OFF】

Press【ENTER】to exit and save the option

Note: After pressing【ENTER】to confirm, PAN/TILT will reset automatically

7. 3. 5 Dimmer Modes Setting

Choose【DIMMER MODE】from menu, press【ENTER】to select dimmer modes

Press【UP/DOWN】to choose【OFF】,【DIM1】,【DIM2】,【DIM3】or【DIM4】

Press【ENTER】to exit and save the option

Note: From 【OFF】to【DIM4】, the dimming speed is fast to slow.

7. 3. 6 DMX channel mode setting

Choose【CHANNEL MODE】from menu, press【ENTER】to select DMX channel

Press【UP/DOWN】to choose【17CH】or【19CH】

Press【ENTER】to exit and save the option

7. 4 DISPLAY SETTING

MENU	DISPLAY	DISPLAY INTENSITY	01-32
		DISPLAY SLEEP	PERMANENTLY ON/2 MINUTES/5 MINUTES/10 MINUTES

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7.4.1 Display Intensity Setting

Choose【DISPLAY INTENSITY】from menu, press【ENTER】to set display intensity

Press【UP/DOWN】to choose【1~32】

Press【ENTER】to exit and save the option

7. 4. 2 Display Sleep Mode Setting

Choose【DISPLAY SLEEP】from menu, press【ENTER】to set display sleep

Press【UP/DOWN】to choose【PERMANENTLY ON】，【2 MINUTES】，【5 MINUTES】，【10 MINUTES】

Press【ENTER】to exit and save the option

7. 5 MANUAL CONTROL SETTING

MENU	MANUAL CONTROL	CH1:INTENSITY	0-255
		CH2:SHUT/STROBE	0-255
		CH3:PAN	0-255
		CH4:PAN FINE	0-255
		CH5:TILT	0-255
		CH6:TILT FINE	0-255
		CH7:P/T SPEED	0-255
		CH8:GOBO1	0-255
		CH9:GOBO1 ROTATE	0-255
		CH10:GOBO2	0-255
		CH11:COLOR1	0-255
		CH12:COLOR2	0-255
		CH13:IRIS	0-255
		CH14:ZOOM	0-255
		CH15:FOCUS	0-255
		CH16:PRISM	0-255
		CH17:ATOMIZATION	0-255
		CH18:MOVING BLACKOUT	0-255
		CH19:CONTROL	0

Choose【MANUAL CONTROL】from menu, press【ENTER】to set manual control of DMX value of【CH1】~【CH19】

Press【UP/DOWN】to choose【0~255】

Press【ENTER】to exit and save the option

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Note: Please find the DMX value of 【CH1】 ~ 【CH19】 in the DMX control function section (Chap 5.)

7. 6 GOBO AND COLOR WHEEL POSITION CALIBRATION SETTING

MENU	CALIBRATION	GOBO1	0-255
		GOBO2	0-255
		COLOR1	0-255
		COLOR2	0-255
		PRISM	0-255
		ATOMIZATION	0-255

Choose 【CALIBRATION】 from menu, press 【ENTER】 for 3S to set gobo, color wheel, prism and atomization position calibration
Press 【UP/DOWN】 to choose 【0~255】
Press 【ENTER】 to exit and save the option
   Note:
      1. After pressing 【ENTER】 to confirm, gobo and color wheel , prism and atomization will reset automatically once
      2. When the value is 128, the gobo and color wheel are in the middle; when the value is below 128, the gobo and color wheel are moving left by fine adjustment; when the value is above 128, the gobo and color wheel are moving right by fine adjustment.
      3. The best way to adjust the position of the prism:
         (1) turn on the light, set the value of ZOOM channel to 255, diffuse the light on the condenser lens.
         (2) set the value of PRISM channel to 15.
         (3) adjust the calibration value of PRISM from 【0~255】 , press 【ENTER】 and observe from the condenser lens to make sure the light goes through the prism completely and there is no light leak on the edge.

   Note: The calibration part has been adjusted to the best position at factory. Please do not change if not necessary.

7. 7 TEST OPERATION SETTING

MENU	TEST OPERATION	SOUND CONTROL	RUNNING… *
		AUTO	RUNNING… *

7. 7. 1 Sound Control Mode

Choose【SOUND CONTROL】from menu, press【ENTER】to enter SOUND CONTROL mode

> **Note:** The sound control sensitivity is recognized by adjusting R3 on display board.

7. 7. 2 Auto Run Mode

Choose【AUTO】from menu, press【ENTER】to enter auto run mode

7、8 RECOVER FACTORY DEFAULT SETTING

MENU	FACTORY DEFAULT	CALIBRATION LOAD	YES/NO
		SETTING LOAD	YES/NO

7. 8. 1 Recover factory default of gobo and color wheel position calibration load

Choose【CALIBRATION LOAD】from menu, press【ENTER】to recover the factory default of gobo and color wheel position calibration load

Press【UP/DOWN】to choose【YES】

Press【ENTER】to exit and save the option

> **Note:**
> 1. After pressing【ENTER】to confirm, gobo and color wheel will reset automatically once
> 2. The factory default value is 128, i.e. the middle.
> 3. The calibration value of PRISM and ATOMIZATION will not be recovered.

7. 8. 2 Recover factory default of setting parameter

Choose【SETTING LOAD】from menu, press【ENTER】to recover the factory default of setting parameter

Press【UP/DOWN】to choose【YES】

Press【ENTER】to exit and save the option

> **Note:** After pressing【ENTER】to confirm, PAN/TILT will reset automatically once

7. 9 FIXTURE RESET

MENU	FIXTURE RESET	YES/NO	

Choose【FIXTURE RESET】from menu, press【ENTER】to enter fixture reset

Press【UP/DOWN】to choose【YES】

Press【ENTER】to confirm reset

7. 10 SEND SETTING PARAMETERS TO OTHER FIXTURES

MENU	SEND SETTING	YES/NO	

Choose【SEND SETTING】from menu, press【ENTER】to set sending setting parameters to other fixtures

Press【UP/DOWN】to choose【YES】

Press【ENTER】to confirm sending

Note:

The fixture should disconnect from the DMX controller before sending the parameters.

The setting of【DMX ADDRESS】 and 【CALIBRATION】of gobo, color wheel , prism and atomization are invalid and won't be sent.

The other fixtures will reset automatically once after receiving data correctly.

8. XLR CABLE CONNECTING

XRL CABLE

The standard connection of the XRL should have one end connecting to the male plug, and the other connecting to the female.
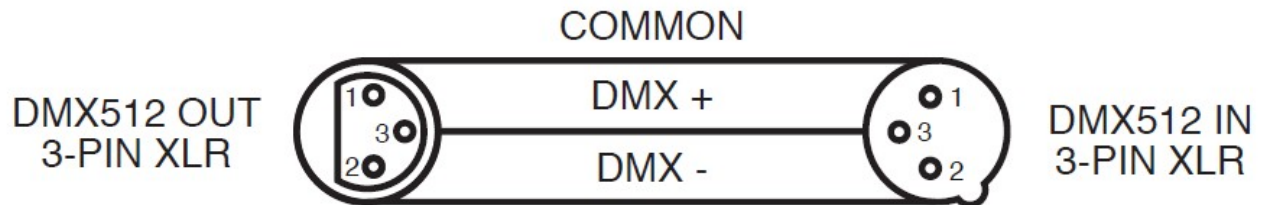As below: pin 1 - ground, pin 2 - negative signal, pin 3 - positive signal

```
XLR Male Socket                    XLR Female Socket

1 Ground        2 Cold      2 Cold              1 Ground

                3 Hot                   3 Hot
```
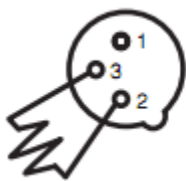
XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

```
                        COMMON

DMX512 OUT      1         DMX +           1      DMX512 IN
3-PIN XLR      3 0                         0 3   3-PIN XLR
               2 0        DMX -            0 2
```

Note: In order to avoid failures and interference with signal transmission, connect a resistance 120   （1/4W） at the end of the DMX connection as shown below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

The conversion between 3 pin and 5 pin XLR.
If the output cable of the DMX512 controller is a 5PIN, a 5PIN to 3PIN cable is necessary.
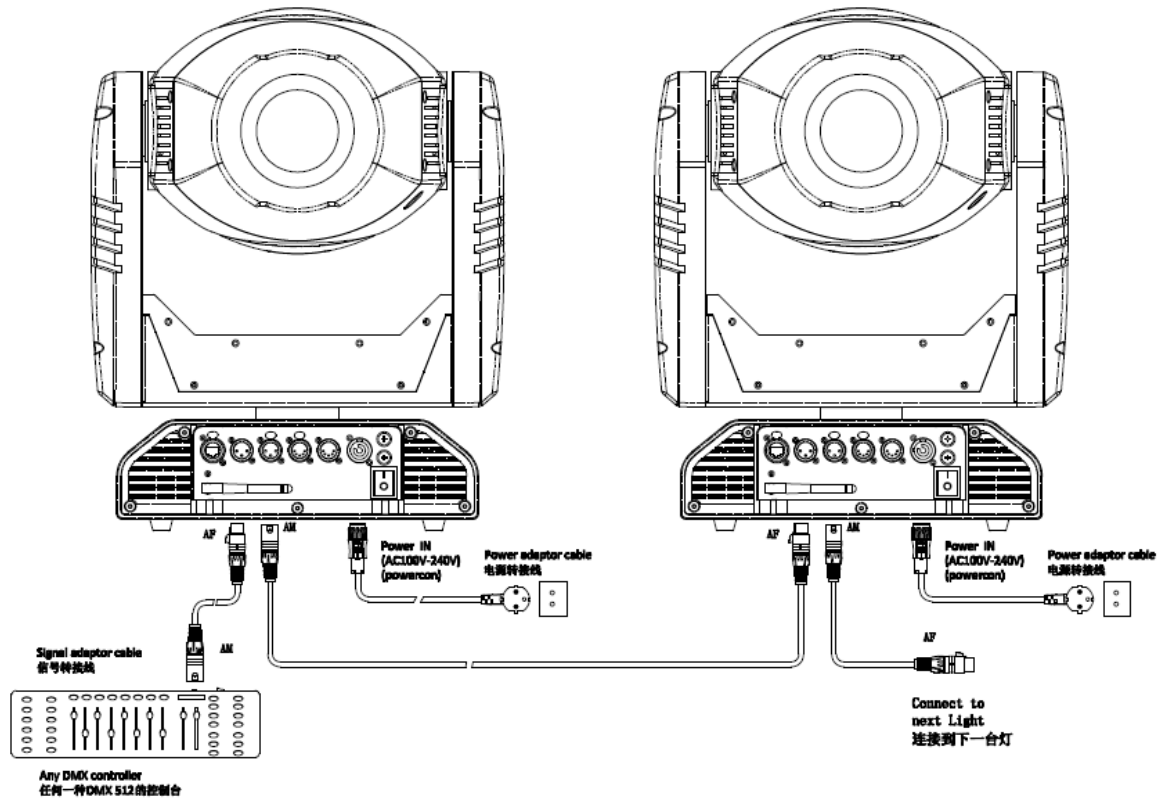
3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

9. WIRING DIAGRAM

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PRESTIGE
LED LIGHTING
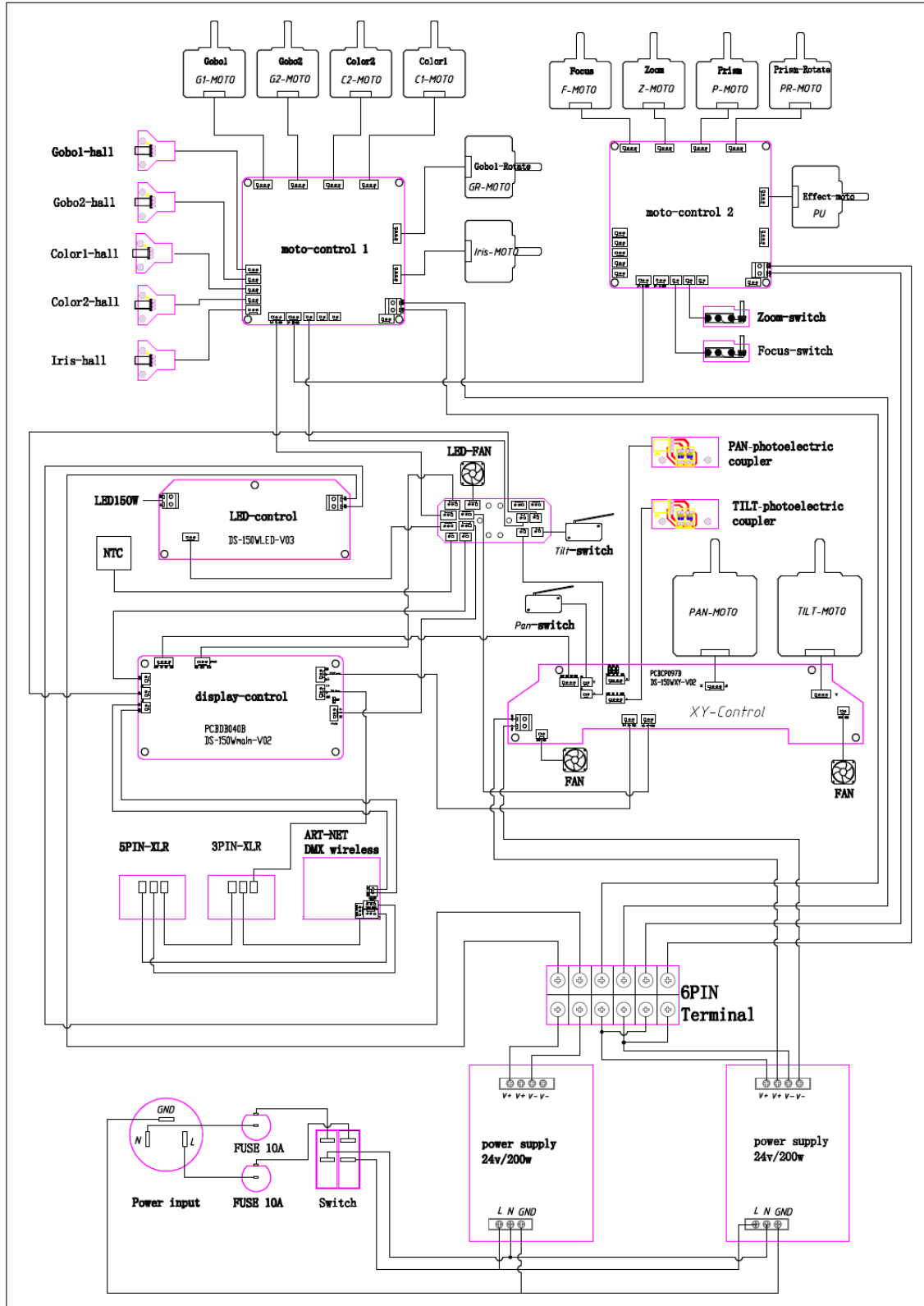
10. TROUBLE SHOOTING

Problem	Suggestions
The light won't turn on	Check if the power plug is working normally Check if the light switch is off or on Check if the fuse is broken Check if the power supply is working normally
The DMX is not controlling the light	Check if the DMX cable is connected to the light properly Check if the DMX512 controller is working normally. Check if the DMX cable is damaged. Check if the light is in DMX mode
The LED is not light (150W)	Check if the fan is broken - The LED will light up if the fan is working normally
The beam lacks reliability	Check is the optical lens is damaged Clean the dust and grease on the lens

Note: Seek advice from a professional prior to authoring any repairs

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11. TECHNICAL SPECIFICATIONS

- Input voltage：AC100V-240V 50-60Hz

- Rated power: 300W （PF>90%）

- Lamp specs: LED-150W（6500K）

- Life Span: above 50000-100000 hours

- output luminous flux: 6200lm

- color: 2 color wheels with 7 colors&white

- gobo：2 gobo wheels, 1 fixed gobo wheel， 7 fixed gobos+white；1 rotating gobo wheel, 7interchangeable gobos+ white

- Effects：1 prism+1 atomizer

- zoom：optical linear zooming， zooming angle 15°-35°

- dimming：0-100% linear dimming， with 16 bit fine adjustment, refresh rate>400Hz

- strobe: Electronic strobe， 0-20Hz

- rotation angle：PAN 540°， TILT 270°， with auto reset and correction function, 16bit fine adjustment.

- Control modes：stand-alone, Master/slave, sound control

- DMX channel：17CH、19CH

- Display: LCD Display

- communication signals: DMX512、wireless DMX512、DMX Ethernet（multi-network in one） （ordered separately）

- Weight: 20Kg

- Size: L400*W280*607mm

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12. MAINTENANCE

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- o Lubrication: To achieve smooth zooming, we suggest lubricating 2 guide rails every 2 months. It is important to use quality, heat resisting lubricating grease
- o Fixture Cleaning: To enhance and maintain the fixture's life and operation, it is very important to keep it clean. Dust can cause malfunctions in the control IC board, and may cause short circuiting or burning in the control IC board. Please check the fan regularly to ensure it is working properly and the fan net is not blocked by dust.
- o Optical Lens Cleaning: Clean the interior and exterior optical lens, reflector and coating filter periodically, to optimize the light output. Please do not use any solvent with chemical bases to clean the coating film color filter. Cleaning frequency depends on the operation frequency and environment of which the fixture is used.

  Please use a soft cloth and ordinary glass cleaning product to clean the optical lens. We suggest cleaning the exterior optical system every 20 days and cleaning the interior optical system every 30-60 days. Do not use any organic colvent, such as ethyl alcohol, to clean the housing of the fixture to avoid damage

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