STAGE PAR COLOUR

CONTENTS

1. Safety Instructions

⚠ Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- The equipment is suitable for wet/indoor use..
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0℃. Maximum ambient temperature TA: 40℃. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 60℃. DO NOT touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.

- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.

- DO NOT touch any wire during operation as there might be a hazard of electric shock.

- Avoid entanglement of the power cord with other wires.

- The minimum distance to objects/surface must be more than 3 meters.

- In the event of serious operating problem, stop using the unit immediately.

- Never turn on and off the unit time after time.

- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

- DO NOT open the housing as there are no user serviceable parts inside.

- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.

- Disconnect this product from its power source before servicing.

- DO use the original packaging if the device is to be transported.

- Avoid direct eye exposure to the light source while the product is on.

- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

Installation:

The fixture should be fixed on the clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always install a safety cable that can hold at least 12 times the weight of the fixture when installing.

DO install and operate by qualified operator. It must be installed in a place where there is out of the reach of people.

2. Technical Specifications

Power Voltage:

100~240V~ 50/60Hz

PowerConsumption:

75W

Light Source:

60W RGBL+24*0.5W RGBW

Color Temperature:

2500-8000K

Beam Angle:

2.2°- 21°

Spot Angle :

3.6°- 26.4°

Dimmer/Shutter:

Smooth dimming from 0-100%; outstanding strobe effect with variable speed

Control:

DMX Channel: 13CH/19CH/42Channels

Protocols: DMX512, RDM

Firmware Upgrade via DMX link

Construction:

Display :　OLED display

Data In/Out :　3-pin or 5-pin IP XLR

Power In/Out :　Waterproof Power Connector in/out

Protection Rating :　 IP66

Features:

High efficiency, low energy consumption, good heat dissipation, long lifetime

Compact design, only 3.5kg, technology leading peer similar products

Double hanger design, multiple installation options

Outstanding strobe effect with variable speed

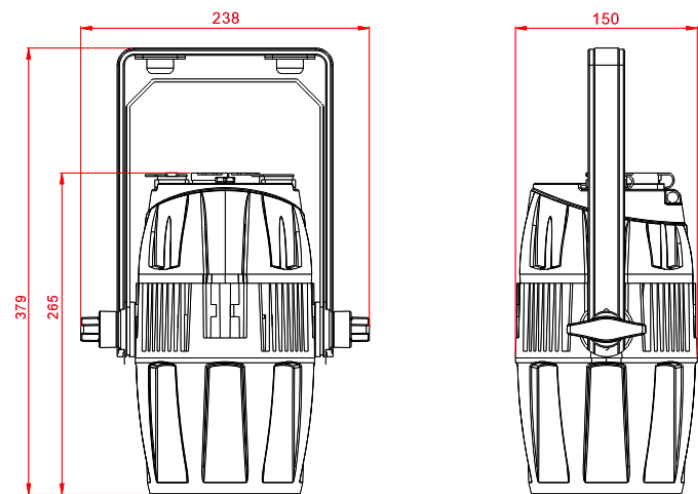0~100% smooth dimming

Flicker free management

Dust-proof and oil-proof design

Dimension/Weight:

238 x 150 x 379 mm ,4.6kgs

9.4"x5.9"x14.9"in,   10.1lbs
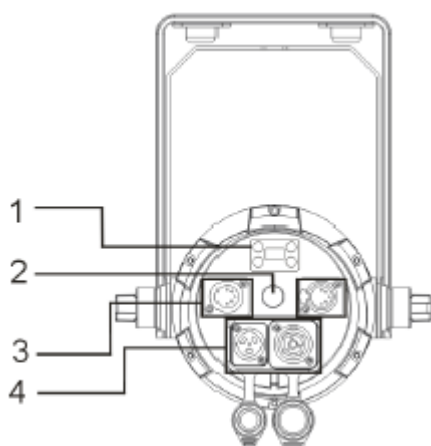
Photometric Diagram:
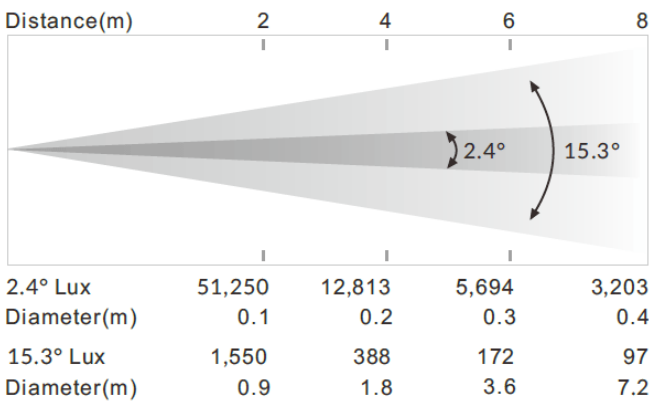
Distance	2M	4M	6M	8M
2.4° Lux	51250	12813	5694	3203
Diameter	0.1	0.2	0.3	0.4
15.3° Lux	1550	388	172	97
Diameter	0.9	1.8	3.6	7.2

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3. Control Panel

1. Display: To show the various menus and the selected function

Button:

MENU	To enter into move backward or leave the menu
▲ UP	To go backward to move up in the menu
▼ DOWN	To go forward to move down in the menu
ENTER	To perform the desired functions

2. Through the air valve

3. DMX IN: For DMX512 link, use 3/5-pin XLR cable to link the unit and DMX controller

   DMX OUT: For DMX512 link, use 3/5-pin XLR cable to link the next units

4. POWER IN: To connect to supply power

   POWER OUT(Powercon Version): To connect to the next fixture

4. How To Set The Unit

4.1 Main Function

Turn on the unit, press the MENU button into menu mode, and press the UP/DOWN button until the required function is shown on the monitor. Select the function by pressing the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press the MENU button or let the unit idle 30 seconds to exit menu mode.

The main functions are shown below:

```
Main Menu
│
├─ DMX Settings
│   ├─ DMX Address
│   │   ├─ 001-500(13CH)
│   │   ├─ 001-494(19CH)
│   │   └─ 001-471(42CH)
│   ├─ Channel Mode
│   │   ├─ 13CH
│   │   ├─ 19CH
│   │   └─ 42CH
│   └─ DMX Last State
│       ├─ Blackout
│       ├─ Hold
│       └─ Manual
│
├─ Fixture Settings
│   ├─ Dimmer Curve
│   │   ├─ Linear
│   │   ├─ Square law
│   │   ├─ Inv SQ law
│   │   └─ S Curve
│   ├─ Dimmer Speed
│   │   ├─ Fast
│   │   └─ Smooth
│   ├─ White Balance
│   │   ├─ Red
│   │   ├─ Green
│   │   ├─ Blue
│   │   └─ Lemon
│   ├─ LED Refresh Rate
│   │   ├─ 900HZ
│   │   ├─ 1000HZ
│   │   ├─ 1100HZ
│   │   ├─ 1200HZ
│   │   ├─ 1300HZ
│   │   ├─ 1400HZ
│   │   ├─ 1500HZ ── 0-255
│   │   ├─ 2500HZ
│   │   ├─ 4000HZ
│   │   ├─ 5000HZ
│   │   ├─ 6000HZ
│   │   ├─ 10000HZ
│   │   ├─ 15000HZ
│   │   ├─ 20000HZ
│   │   └─ 25000HZ
│   └─ Cooling Mode
│       ├─ Quiet
│       ├─ Fast
│       └─ Auto
│
├─ Display Settings
│   ├─ Display Invert
│   │   ├─ No
│   │   └─ Yes
│   ├─ Temperature Unit
│   │   ├─ °C
│   │   └─ °F
│   └─ Language
│       ├─ English
│       └─ Chinese
│
├─ Fixture Test
│   ├─ Auto Test
│   └─ Manual Mode
│       ├─ Red
│       ├─ Green
│       ├─ Blue
│       ├─ Lemon
│       ├─ Color
│       ├─ CTO
│       ├─ Dimmer ── 0-255
│       ├─ Dimmer Fine
│       ├─ Shutter
│       ├─ Zoom
│       ├─ Back Red
│       ├─ Back Green
│       ├─ Back Blue
│       ├─ Back White
│       ├─ Back Color
│       ├─ Back Dimmer
│       ├─ Back Shutter
│       ├─ Back Macor
│       └─ Macor Speed
│
├─ Information
│   ├─ Fixture Use Hour
│   ├─ LED Use Hour
│   │   ├─ Total LED Hour
│   │   ├─ LED On Hour
│   │   └─ LED Hours Reset ── Passsword=050
│   ├─ Temperature
│   ├─ Fan State
│   ├─ Firmware Version
│   ├─ RDM UID ── xxxxxx
│   └─ Error Logs
│       ├─ Fixture Errors
│       └─ Reset Error Log
│           ├─ No
│           └─ Yes ── Passsword=050
│
├─ Reset Functions ── Effect Reset
│   ├─ No
│   └─ Yes
│
└─ Special Functions ── Factory Restore
    ├─ No
    └─ Yes
```

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DMX Settings

To select **DMX Settings,** press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address, DMX Channel Mode**or **DMX Last State.**

DMX Address

To select **DMX Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the address from **001** to **500/494/471**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

DMX Channel Mode

To select **DMX Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select**13 Channel /19 Channel /42 Channel,** press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

DMX Last State

To select **DMX Last State**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **BlackOut**(fixture blacks out if DMX signal stops) , **Hold**(fixture continues to obey the last command it received Via DMX if DMX signal stops) or **Manual** (When the DMX signal is disconnected, the device runs in manual mode), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Fixture Settings

To select **Fixture Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Dimmer Curve,Dimmer Speed, White Balance，LED Refresh Rate** or **Cooling Mode.**

Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to confirm. Use the **DOWN/UP** button to select **Square Law, Inv SQ Law, Linear** or **S Curve**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.
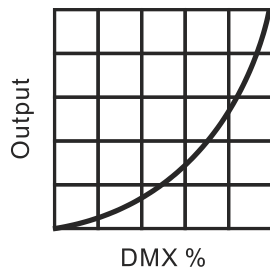
Dimmer Speed

To select **Dimmer Speed**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fast** or **Smooth**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.
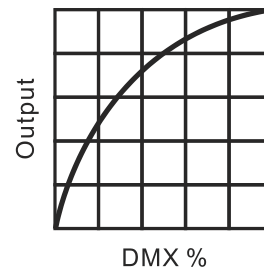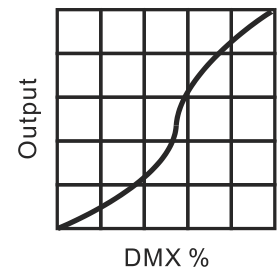
Dimmer Modes
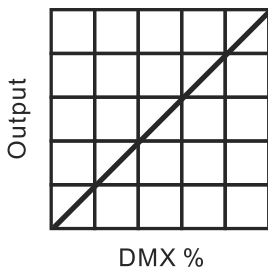
Optically Linear   Square Law   Inverse Square Law   S-curve

Optically Linear: The increase in light intensity appears to be linear as DMX value is increased.

Square Law: Light intensity control is finer at low levels and coarser at high levels.

Inverse Square Law: Light intensity control is coarser at low levels and finger at high levels.

S-Curve: Light intensity control is finger at low levels and high levels and coarser at medium levels.

White Balance

To select **White Balance**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Red, Green, Blue** or **Lemon**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

LED Refresh Rate

To select **LED Refresh Rate**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **900Hz/1000Hz/1100Hz/1200Hz/1300Hz/1400Hz/1500Hz/2500Hz/4000Hz/5000Hz/6000Hz/10000 Hz/15000Hz/20000Hz/25000Hz**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Cooling Mode

To select **Cooling Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Quiet, Fast** or **Auto**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Display Settings

To select **Display Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Invert, Temperature Unit** or **Language.**

Display Invert

Select **Display Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal display) or **Yes** (invert display), press the **ENTER** button to store. Press the **MENU** button

back to the last menu or let the unit idle 30 seconds to exit menu mode.

Temperature Unit

Select **Temperature Unit**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select ℃ or ℉, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Language

Select **Language**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **English** or **Chinese**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Fixture Test

To select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Mode.**

Auto Test

Select **Auto Test**, press the **ENTER** button to confirm, Press the **MENU** button back to the last menu or exit menu mode after auto test.

Manual Mode

Select **Manual Mode**, press the **ENTER** button to confirm, the present channel will show on the display, use the **UP/DOWN** button to select channel： **Red, Green, Blue, Lemon, Color, CTO , Dimming, Dimming Fine , Shutter, Zoom, Back Red, Back Green, Back Blue, Back White, Back Color, Back Dimming, Back Shutter, Back Dimming,Back Macor** or **Macor Speed,**press the **ENTER** button to confirm, then use the **UP/DOWN** button to adjust the value, press the **ENTER** button to store, the fixture will run as the channel value indicates. Press the **MENU** button back to the last menu or exit menu mode idling 30 seconds.

(All channels value will become 0 after exiting Manual Test menu)

Information

To select **Information**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Use Hour, LED Use Hour, Temperature, Fan State, Firmware Version, RDM UID** or **Error Logs.**

Fixture Use Hour

Select **Fixture Use Hour**, press the **ENTER** button to confirm, fixture use hour will show on the display, press the **MENU** button to exit.

LED Use Hour

To select **LED Use Hour**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Total LED Hour, LED On Hour** or **LED Hours Reset**, press the **ENTER** button to store. To select **LED Hours Reset**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No** or **Yes**, press the **ENTER** button to store. To select **Yes**, press the **ENTER** button to confirm, use the **UP/DOWN** button to set the password **050** to reset the LED hours, press the **ENTER** button to store. Press the **MENU** button back to the last menu or exit menu mode let the unit idle 30 seconds.

Temperature

Select **Temperature**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **LED** , press the **ENTER** button to store, LED current temperature and max temperature of the fixture will show on the display, press the **MENU** button to exit.

Fan State

Select **Fan State**, press the **ENTER** button to confirm, fan state will show on the display, press the **MENU** button to exit.

Firmware Version

Select **Firmware Version**, press the **ENTER** button to confirm, firmware version will show on the display, press the **MENU** button back to exit.

RDM UID

Select **RDM UID**, press the **ENTER** button to confirm, RDM UID will show on the display, press the **MENU** button back to exit.

Error Logs

Select **Error Logs**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fixture Errors** or **Reset Error Log**, press the **ENTER** button to store. Select **Reset Error Log**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, press the **ENTER** button to store. Select **Yes**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to set the password **050**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Reset Function

To select **Reset Function**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Effect Reset**

Effect Reset

Select **Effect Reset,** press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the unit will run built-in program to reset effect to their home positions), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Special Function

Factory Settings

Select **Factory Settings,** press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the fixture will reset to factory settings), press **ENTER** button to store. Press the **MENU** button to exit.

RDM FUNCTIONS

Select the MANUFACTURER menu to display the manufacturer of the fixture.

Select the SOFTWARE VERSION menu and the program version number of the fixture will be displayed.

Select the DMX START ADDRESS menu to change the DMX 512 address (001-512).

Select the DEVICE MODEL DESCRIPTION menu to display the model of the fixture.

Select the DEVICE LABEL menu to change the model of the fixture.

Select the DMX PERSONALITY menu to set the channel mode of the fixture (13/19/42 channel).

Select the DMX PERSONALITY DESCRIPTION menu to display the current channel mode of the fixture.

Select the DEVICE HOURS menu to display the running time of the fixture.

Select the RESET DEVICE menu, the WARM RESET/COLD RESET option will be displayed. When WARM RESET is selected, the fixture will start a warm reset, and exit when COLD RESET is selected.

5. Control By Universal DMX Controller

5.1 DMX512 Connection
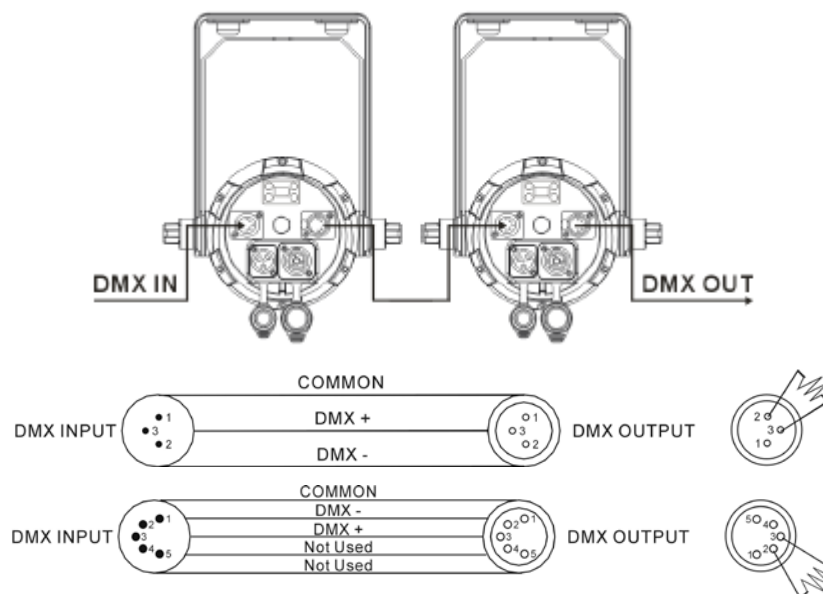
1.   At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1⁄4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

2.   Connect the unit together in a "daisy chain" by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a "Y" cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.

3.   The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.

4.   Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.

5.   The end of the DMX 512 system should be terminated to reduce signal errors.

6.   3 pin XLR connectors are more popular than 5 pins XLR.

   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

5.2 Address Setting

If you use a universal DMX controller to control the units, you have to set the DMX address from 1 to 512 so that the units can receive the DMX signal.

Press the MENU button to enter into menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
13channels	1	14	27	40
19channels	1	20	39	58
42channels	1	43	85	127

5.3 DMX512 Configuration

Please control the fixture by referring to the configurations below

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.

2. For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

13channel	value	function
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	Lemon
5	000-255	Dimmer Intensity:Intensity 0 to 100%
6	000-255	Dimmer Fine: 0 to 100%
7	000-255	Zoom: Zoom adjustment from wide to narrow
8	000-255	Backlight_Red_Dimmer
9	000-255	Backlight_Green_Dimmer
10	000-255	Backlight_Blue_Dimmer
11	000-255	Backlight_White_Dimmer
12	000-255	Backlight_Dimmer Intensity:Intensity 0 to 100%
13	000-255	Backlight_ Dimmer Fine: 0 to 100%

19channel	value	function
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	Lemon
		Color mocro
	000-009	No Base Color
	010-017	Color1
	018-024	Color2
	025-032	Color3
	033-039	Color4
	040-047	Color5
	048-054	Color6
	055-061	Color7
	062-069	Color8
	070-076	Color9
	077-084	Color10
	085-091	Color11
	092-099	Color12
	100-106	Color13
	107-113	Color14
	114-121	Color15
5	122-128	Color16
	129-136	Color17
	137-143	Color18
	144-151	Color19
	152-158	Color20
	159-165	Color21
	166-173	Color22
	174-180	Color23
	181-188	Color24
	189-195	Color25
	196-203	Color26
	204-210	Color27
	211-217	Color28
	218-225	Color29
	226-232	Color30
	233-240	Color31
	241-247	Color32
	248-255	Color33
6	0-255	CTO
7	000-255	Dimmer Intensity:Intensity 0 to 100%
8	000-255	Dimmer Fine: 0 to 100%
		Shutter, Strobe:
	000-007	Close
	008-015	Opne

	016–131	Strobe Slow->Fast	
	132–139	Open	
9	140–181	Fast Close Slow Open	
	182–189	Open	
	190–231	Fast Open Slow Close	
	232–239	Open	
	240–247	Random Strobe	
	248–255	Open	
10	000-255	Zoom: Zoom adjustment from wide to narrow	
11	000-255	Backlight_Red_Dimmer	
12	000-255	Backlight_Green_Dimmer	
13	000-255	Backlight_Blue_Dimmer	
14	000-255	Backlight_White_Dimmer	
15		Backlight_Color mocro	
	000-009	No Base Color	
	010-017	Color1	
	018-024	Color2	
	025-032	Color3	
	033-039	Color4	
	040-047	Color5	
	048-054	Color6	
	055-061	Color7	
	062-069	Color8	
	070-076	Color9	
	077-084	Color10	
	085-091	Color11	
	092-099	Color12	
	100-106	Color13	
	107-113	Color14	
	114-121	Color15	
	122-128	Color16	
	129-136	Color17	
	137-143	Color18	
	144-151	Color19	
	152-158	Color20	
	159-165	Color21	
	166-173	Color22	
	174-180	Color23	
	181-188	Color24	
	189-195	Color25	
	196-203	Color26	
	204-210	Color27	
	211-217	Color28	
	218-225	Color29	
	226-232	Color30	
	233-240	Color31	
	241-247	Color32	

	248-255	Color33	
16	000-255	Backlight_Dimmer Intensity:Intensity 0 to 100%	
17	000-255	Backlight_Shutter, Strobe:	
	000-007	Close	
	008-015	Opne	
	016-131	Strobe Slow->Fast	
	132-139	Open	
	140-181	Fast Close Slow Open	
	182-189	Open	
	190-231	Fast Open Slow Close	
	232-239	Open	
	240-247	Random Strobe	
	248-255	Open	
18		Backlight_Macro	
	0-55	No function	
	56-65	Macro1	
	66-75	Macro2	
	76-85	Macro3	
	86-95	Macro4	
	96-105	Macro5	
	106-115	Macro6	
	116-125	Macro7	
	126-135	Macro8	
	136-145	Macro9	
	146-155	Macro10	
	156-165	Macro11	
	166-175	Macro12	
	176-185	Macro13	
	186-195	Macro14	
	196-205	Macro15	
	206-215	Macro16	
	216-225	Macro17	
	226-235	Macro18	
	236-245	Macro19	
	246-255	Macro20	
19	000-255	Backlight_Macro_Speed	

42channel	value	function
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	Lemon
5		Color mocro
	000-009	No Base Color
	010-017	Color1
	018-024	Color2
	025-032	Color3
	033-039	Color4
	040-047	Color5
	048-054	Color6
	055-061	Color7
	062-069	Color8
	070-076	Color9
	077-084	Color10
	085-091	Color11
	092-099	Color12
	100-106	Color13
	107-113	Color14
	114-121	Color15
	122-128	Color16
	129-136	Color17
	137-143	Color18
	144-151	Color19
	152-158	Color20
	159-165	Color21
	166-173	Color22
	174-180	Color23
	181-188	Color24
	189-195	Color25
	196-203	Color26
	204-210	Color27
	211-217	Color28
	218-225	Color29
	226-232	Color30
	233-240	Color31
	241-247	Color32
	248-255	Color33

	248-255	Color33
6	0-255	CTO
7	000-255	Dimmer Intensity:Intensity 0 to 100%
8	000-255	Dimmer Fine: 0 to 100%
9		Shutter, Strobe:
	000-007	Close
	008-015	Opne
	016-131	Strobe Slow->Fast
	132-139	Open
	140-181	Fast Close Slow Open
	182-189	Open
	190-231	Fast Open Slow Close
	232-239	Open
	240-247	Random Strobe
	248-255	Open
10	000-255	Zoom: Zoom adjustment from wide to narrow
11	000-255	Backlight_Red1
12	000-255	Backlight_Green1
13	000-255	Backlight_Blue1
14	000-255	Backlight_White1
15	000-255	Backlight_Red2
16	000-255	Backlight_Green2
17	000-255	Backlight_Blue2
18	000-255	Backlight_White2
19	000-255	Backlight_Red3
20	000-255	Backlight_Green3
21	000-255	Backlight_Blue3
22	000-255	Backlight_White3
23	000-255	Backlight_Red4
24	000-255	Backlight_Green4
25	000-255	Backlight_Blue4
26	000-255	Backlight_White4
27	000-255	Backlight_Red5

28	000-255	Backlight_Green5
29	000-255	Backlight_Blue5
30	000-255	Backlight_White5
31	000-255	Backlight_Red6
32	000-255	Backlight_Green6
33	000-255	Backlight_Blue6
34	000-255	Backlight_White6
35	000-255	Backlight_Red7
36	000-255	Backlight_Green7
37	000-255	Backlight_Blue7
38	000-255	Backlight_White7
39	000-255	Backlight_Red8
40	000-255	Backlight_Green8
41	000-255	Backlight_Blue8
42	000-255	Backlight_White8

7. Error Information

Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

Fan Error

Check whether the fan is not running,

check whether the fan leads are installed in place or disconnected,

check whether the fan is damaged, check whether the Fan operating range of other interference items

LED Temperature Error

Check whether the temperature detector board is normal

check whether the temperature detector board components are damaged

check whether the temperature detector board leads are installed in place or disconnected

Zoom Reset Error

Check the position of the retractor mounting magnet to see if the retractor mounting magnet is broken or damaged.

Check if there are other interference items in the retractor operating range.

Check if the retractor Houle element is damaged.

Check if the leads connecting the retractor Houle element and the PCB board are in bad contact or disconnected.

Check if the retractor motor is damaged.

Check if the circuit of the retractor motor driver board is damaged

8. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connected power.

2. Measure the voltage.

3. Check the power indicator to see whether it can be lit up or not.

B. Not responding to the DMX controller

1. Check whether the DMX connectors and the DMX cables are connected correctly.

2. Check whether the DMX address is correctly set.

3. If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.

4. Try it with another DMX controller.

5. Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB might be broken.

2. The motor's drive IC on the PCB might be out of condition.

9. Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

• A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.

• Always dry the parts carefully.

• Clean the external optical lens at least every 20 days .

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