



USER MANUAL

INTRODUCTION

Thank you for having chosen our LED lighting
Unpack the device, inside the box you should find:

The fixture device

One power cable

One XLR connection cable

This manual

Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

DESCRIPTION

Features

- 600pcs 1W RGB LED, 600pcs 1.2W White LED, no ultraviolet radiation.
- More than 20,000 hours for the LED light source
- 200,000 lm for white version/ 70,000 lm for RGB version
- 120 degrees
- 3/6/9/13/14/25/50/57/72 DMX channels
- 16 Bit Dimmer
- DMX Mode/Master-Slave mode/Pixel mode(can be used as a wash with the output of 300W)
- AC200-240V 50/60Hz 1500W
- Diecasting heatsink with fans Control
- With temperature sensor to extend the lamp's life
- 7000 Hz LED scan rate
- L: 557 W: 146mm H:326.5 mm
- IP65

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges.

If this would be the case, replacement of the cable must be done by an authorized dealer.

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 power cord.

Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

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.

DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 OHM resistor connected

between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Display Menu

Menu	Sub-menu			
Config Mode	Channel Mode	XXch, XXch, XXch		
	Keep Screen On	Enable/Disable		
	Output Inverse	Normal/Inverse		
	Keep DMX Data	Enable/Disable		
	White Balance	Led Red	0 - 255	
		Led Green	0 - 255	
		Led Blue	0 - 255	
		Led White	0 - 255	
Fan speed	low/standard/high			
Fast Dimmer	Enable/Disable			
System Info	Temperature	Head XX °C		
		Body XX °C		
RDM	RDM_Status	Enable/Disable		
	RDM_UID	XXX		
	RDM_ID	XXX		
	RDM_Label	XXX		
Led All On	Led All On			
Auto Test	Auto Mode 1			
	Auto Mode 2			
	Auto Mode 3			
Led Test	Led Red	0 - 255		
	Led Green	0 - 255		
	Led Blue	0 - 255		
	Led White	0 - 255		
Fan Test	On/Off			

Led Load Default	False/True		
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Main functions

1. Address: Current DMX address

A. Setting DMX address by button

press **ENTER** button when show the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button
Press **[ENTER]** to confirm or press **[ESC]** to return to main menu.

B. Setting DMX address by controller

1. Set the DMX value of channel 5 to 10-15, channel 17 to 20-26, channel 7 to 30-36, channel 8 to 40-46, then the devices connected to the controller will enter to the setting address mode

2. Set the DMX value of **channel 1** from 0-59, then you will see the first number of the Address change to (channel 1 value)/10.

For example, when set the value of channel 1 to 20, the first DMX address number will be $2(20/10=2)$,

3. Set the DMX value of **channel 2** from 0-99, then you will see the second number of the Address change to (channel 2 value)/10.

For example, when set the value of channel 2 to 30, the first DMX address number will be $2(30/10=3)$,

4. Set the DMX value of **channel 3** from 0-99, then you will see the third number of the Address change to (channel 3 value)/10.

For example, when set the value of channel 1 to 40, the first DMX address number will be $3(40/10=4)$,

And the DMX address you set by controller will be 234.

5. Set the DMX value of **channel 4** to 255, then you will save the DMX address settled by the controller.

Caution: It won't save the address if the address number is over 512

6. set the value of channel 5-8 out of the value range show on the step 1, and the device will exit the setting address mode

2. Config.

Setting DMX mode

press **ENTER** button when show the **channel** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button.

Keep Screen On

press **ENTER** button when show the **Keep Screen On** menu, then select Enable or Disable to keep the screen on by pressing **[UP]** or **[DOWN]** button.

Output Inverse

press **ENTER** button when show the **Output Inverse** menu, then select Normal or Inverse by pressing **[UP]** or **[DOWN]** button.

Keep DMX Data

press **ENTER** button when show the **Keep DMX Data** menu, then select Enable or Disable to keep DMX Data by pressing **[UP]** or **[DOWN]** button.

White Balance

press **ENTER** button when show the **White Balance** menu, then setting the values of LED Red/Green/Blue/White by pressing **[UP]** or **[DOWN]** button.

Fan speed

press **ENTER** button when show the **Fan speed** menu, select the speed of Fan in low, standard or high by pressing **[UP]** or **[DOWN]** button.

Fast Dimmer

press **ENTER** button when show the **Fast Dimmer** menu, then setting the dimmer speed effort by selecting Enable or Disable by pressing **[UP]** or **[DOWN]** button.

Curve Mode

press **ENTER** button when show the **Curve Mode** menu, then

setting the Gamma Curve effort by selecting Enable or Disable by pressing **[UP]** or **[DOWN]** button.

Dimmer Speed

press **ENTER** button when show the **Dimmer Speed** menu, then setting Dimmer Speed as Normal or Smooth by pressing **[UP]** or **[DOWN]** button.

3. System info

Temperature

press **ENTER** button when show the **Temperature** menu, then it will show the temperatures of the fixture.

4. RDM

press **ENTER** button when show the **RDM** menu, press **Enter** button to select **RDM_Status** as Enable or Disable, and select the value of **RDM_UID**, **RDM_ID** and **RDM_Label** by pressing **[UP]** or **[DOWN]** button.

5. Static Color

press **ENTER** button when show the **Color** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

6. Led All On

press **ENTER** button when show the **Led All On** menu, to keep all LED on by pressing **[UP]** or **[DOWN]** button.

7. Auto test

press **ENTER** button when show the **auto test** menu, select test mode by pressing **[UP]** or **[DOWN]** button.

8. Led Test

press **ENTER** button when show the **Led Test** menu, select test mode of different color by pressing **[UP]** or **[DOWN]** button.

9. Fan Test

press **ENTER** button when show the **Fan Test** menu, select test mode as on or off by pressing **[UP]** or **[DOWN]** button.

10. Led Load Default

press **ENTER** button when show the **Led Load Defaul** menu, select Default mode as False or True by pressing **[UP]** or **[DOWN]** button.

DMX functions and values

3 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Strobe	000 - 010	No function
		011 - 255	From slow to fast

6 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	All Red LED	000 - 255	0 - 100%
4	All Green LED	000 - 255	0 - 100%
5	All Blue LED	000 - 255	0 - 100%
6	All White LED	000 - 255	0 - 100%

9 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Master Dimmer	000 - 255	0 - 100%
4	All Red LED	000 - 255	0 - 100%
5	All Green LED	000 - 255	0 - 100%
6	All Blue LED	000 - 255	0 - 100%
7	All White LED	000 - 255	0 - 100%
8	Duration	000 - 255	0 - 100%
9	Strobe	000 - 010	No function

		011 - 255	From slow to fast
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13 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Master Dimmer	000 - 255	0 - 100%
4	Master Dimmer fine	000 - 255	0 - 100%
5	All Red LED	000 - 255	0 - 100%
6	All Green LED	000 - 255	0 - 100%
7	All Blue LED	000 - 255	0 - 100%
8	All White LED	000 - 255	0 - 100%
9	Duration	000 - 255	0 - 100%
10	Strobe	000 - 010	No function
		011 - 255	From slow to fast
11	Macro	000 - 035	No function
		036 - 071	Effect 1
		072 - 107	Effect 2
		108 - 143	Effect 3
		144 - 215	Effect 4
		216 - 255	Effect 5
12	Flow Effect	0 - 50	No function
		51 - 101	Effect 1
		102 - 152	Effect 2
		153 - 203	Effect 3
		204 - 254	Effect 4
		255	Effect 5
13	speed	000 - 254	Fast to slow
		255	Tungsten Effect

14 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Red Block1	000 - 255	0 - 100%
4	Green Block1	000 - 255	0 - 100%
5	Blue Block1	000 - 255	0 - 100%
6	White Block1	000 - 255	0 - 100%
7	Red Block2	000 - 255	0 - 100%
8	Green Block2	000 - 255	0 - 100%
9	Blue Block2	000 - 255	0 - 100%
10	White Block2	000 - 255	0 - 100%
11	Red Block3	000 - 255	0 - 100%
12	Green Block3	000 - 255	0 - 100%
13	Blue Block3	000 - 255	0 - 100%
14	White Block3	000 - 255	0 - 100%

25 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Master Dimmer	000 - 255	0 - 100%
4	Master Dimmer fine	000 - 255	0 - 100%
5	All Red LED	000 - 255	0 - 100%
6	All Green LED	000 - 255	0 - 100%
7	All Blue LED	000 - 255	0 - 100%
8	All White LED	000 - 255	0 - 100%
9	Duration	000 - 255	0 - 100%
10	Strobe	000 - 010	No function

		011 - 255	From slow to fast
11	Macro	000 - 035	No function
		036 - 071	Effect 1
		072 - 107	Effect 2
		108 - 143	Effect 3
		144 - 215	Effect 4
		216 - 255	Effect 5
12	Flow Effect	0 - 50	No function
		51 - 101	Effect 1
		102 - 152	Effect 2
		153 - 203	Effect 3
		204 - 254	Effect 4
		255	Effect 5
13	speed	000 - 254	Fast to slow
		255	Tungsten Effect
14	Red Block1	000 - 255	0 - 100%
15	Green Block1	000 - 255	0 - 100%
16	Blue Block1	000 - 255	0 - 100%
17	White Block1	000 - 255	0 - 100%
18	Red Block2	000 - 255	0 - 100%
19	Green Block2	000 - 255	0 - 100%
20	Blue Block2	000 - 255	0 - 100%
21	White Block2	000 - 255	0 - 100%
22	Red Block3	000 - 255	0 - 100%
23	Green Block3	000 - 255	0 - 100%
24	Blue Block3	000 - 255	0 - 100%
25	White Block3	000 - 255	0 - 100%

50 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
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2	Fine Tilt	000 - 255	0-2°
3	Red 1	000 - 255	0 - 100%
4	Green 1	000 - 255	0 - 100%
5	Blue 1	000 - 255	0 - 100%
6	White 1	000 - 255	0 - 100%
7	Red 2	000 - 255	0 - 100%
8	Green 2	000 - 255	0 - 100%
9	Blue 2	000 - 255	0 - 100%
10	White 2	000 - 255	0 - 100%
11	Red 3	000 - 255	0 - 100%
12	Green 3	000 - 255	0 - 100%
13	Blue 3	000 - 255	0 - 100%
14	White 3	000 - 255	0 - 100%
15	Red 4	000 - 255	0 - 100%
16	Green 4	000 - 255	0 - 100%
17	Blue 4	000 - 255	0 - 100%
18	White 4	000 - 255	0 - 100%
19	Red 5	000 - 255	0 - 100%
20	Green 5	000 - 255	0 - 100%
21	Blue 5	000 - 255	0 - 100%
22	White 5	000 - 255	0 - 100%
23	Red 6	000 - 255	0 - 100%
24	Green 6	000 - 255	0 - 100%
25	Blue 6	000 - 255	0 - 100%
26	White 6	000 - 255	0 - 100%
27	Red 7	000 - 255	0 - 100%
28	Green 7	000 - 255	0 - 100%
29	Blue 7	000 - 255	0 - 100%
30	White 7	000 - 255	0 - 100%
31	Red 8	000 - 255	0 - 100%

32	Green 8	000 - 255	0 - 100%
33	Blue 8	000 - 255	0 - 100%
34	White 8	000 - 255	0 - 100%
35	Red 9	000 - 255	0 - 100%
36	Green 9	000 - 255	0 - 100%
37	Blue 9	000 - 255	0 - 100%
38	White 9	000 - 255	0 - 100%
39	Red 10	000 - 255	0 - 100%
40	Green 10	000 - 255	0 - 100%
41	Blue 10	000 - 255	0 - 100%
42	White 10	000 - 255	0 - 100%
43	Red 11	000 - 255	0 - 100%
44	Green 11	000 - 255	0 - 100%
45	Blue 11	000 - 255	0 - 100%
46	White 11	000 - 255	0 - 100%
47	Red 12	000 - 255	0 - 100%
48	Green 12	000 - 255	0 - 100%
49	Blue 12	000 - 255	0 - 100%
50	White 12	000 - 255	0 - 100%

57 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Master Dimmer	000 - 255	0 - 100%
4	Master Dimmer fine	000 - 255	0 - 100%
5	Duration	000 - 255	0 - 100%
6	Strobe	000 - 010	No function
		011 - 255	From slow to fast

7	Macro	000 - 035	No function
		036 - 071	Effect 1
		072 - 107	Effect 2
		108 - 143	Effect 3
		144 - 215	Effect 4
		216 - 255	Effect 5
8	Flow Effect	0 - 50	No function
		51 - 101	Effect 1
		102 - 152	Effect 2
		153 - 203	Effect 3
		204 - 254	Effect 4
		255	Effect 5
9	speed	000 - 254	Fast to slow
		255	Tungsten Effect
10	Red 1	000 - 255	0 - 100%
11	Green 1	000 - 255	0 - 100%
12	Blue 1	000 - 255	0 - 100%
13	White 1	000 - 255	0 - 100%
14	Red 2	000 - 255	0 - 100%
15	Green 2	000 - 255	0 - 100%
16	Blue 2	000 - 255	0 - 100%
17	White 2	000 - 255	0 - 100%
18	Red 3	000 - 255	0 - 100%
19	Green 3	000 - 255	0 - 100%
20	Blue 3	000 - 255	0 - 100%
21	White 3	000 - 255	0 - 100%
22	Red 4	000 - 255	0 - 100%
23	Green 4	000 - 255	0 - 100%
24	Blue 4	000 - 255	0 - 100%
25	White 4	000 - 255	0 - 100%

26	Red 5	000 - 255	0 - 100%
27	Green 5	000 - 255	0 - 100%
28	Blue 5	000 - 255	0 - 100%
29	White 5	000 - 255	0 - 100%
30	Red 6	000 - 255	0 - 100%
31	Green 6	000 - 255	0 - 100%
32	Blue 6	000 - 255	0 - 100%
33	White 6	000 - 255	0 - 100%
34	Red 7	000 - 255	0 - 100%
35	Green 7	000 - 255	0 - 100%
36	Blue 7	000 - 255	0 - 100%
37	White 7	000 - 255	0 - 100%
38	Red 8	000 - 255	0 - 100%
39	Green 8	000 - 255	0 - 100%
40	Blue 8	000 - 255	0 - 100%
41	White 8	000 - 255	0 - 100%
42	Red 9	000 - 255	0 - 100%
43	Green 9	000 - 255	0 - 100%
44	Blue 9	000 - 255	0 - 100%
45	White 9	000 - 255	0 - 100%
46	Red 10	000 - 255	0 - 100%
47	Green 10	000 - 255	0 - 100%
48	Blue 10	000 - 255	0 - 100%
49	White 10	000 - 255	0 - 100%
50	Red 11	000 - 255	0 - 100%
51	Green 11	000 - 255	0 - 100%
52	Blue 11	000 - 255	0 - 100%
53	White 11	000 - 255	0 - 100%
54	Red 12	000 - 255	0 - 100%
55	Green 12	000 - 255	0 - 100%

56	Blue 12	000 - 255	0 - 100%
57	White 12	000 - 255	0 - 100%

72 Channel Mode

1	Coarse Tilt	000 - 255	0-180°
2	Fine Tilt	000 - 255	0-2°
3	Master Dimmer	000 - 255	0 - 100%
4	Master Dimmer fine	000 - 255	0 - 100%
5	All Red LED	000 - 255	0 - 100%
6	All Green LED	000 - 255	0 - 100%
7	All Blue LED	000 - 255	0 - 100%
8	All White LED	000 - 255	0 - 100%
9	Duration	000 - 255	0 - 100%
10	Strobe	000 - 010	No function
		011 - 255	From slow to fast
11	Flow Effect	0 - 50	No function
		51 - 101	Effect 1
		102 - 152	Effect 2
		153 - 203	Effect 3
		204 - 254	Effect 4
		255	Effect 5
12	speed	000 - 254	Fast to slow
		255	Tungsten Effect
13	Red Block1	000 - 255	0 - 100%
14	Green Block1	000 - 255	0 - 100%
15	Blue Block1	000 - 255	0 - 100%
16	White Block1	000 - 255	0 - 100%
17	Red Block2	000 - 255	0 - 100%

18	Green Block2	000 - 255	0 - 100%
19	Blue Block2	000 - 255	0 - 100%
20	White Block2	000 - 255	0 - 100%
21	Red Block3	000 - 255	0 - 100%
22	Green Block3	000 - 255	0 - 100%
23	Blue Block3	000 - 255	0 - 100%
24	White Block3	000 - 255	0 - 100%
25	Red 1	000 - 255	0 - 100%
26	Green 1	000 - 255	0 - 100%
27	Blue 1	000 - 255	0 - 100%
28	White 1	000 - 255	0 - 100%
29	Red 2	000 - 255	0 - 100%
30	Green 2	000 - 255	0 - 100%
31	Blue 2	000 - 255	0 - 100%
32	White 2	000 - 255	0 - 100%
33	Red 3	000 - 255	0 - 100%
34	Green 3	000 - 255	0 - 100%
35	Blue 3	000 - 255	0 - 100%
36	White 3	000 - 255	0 - 100%
37	Red 4	000 - 255	0 - 100%
38	Green 4	000 - 255	0 - 100%
39	Blue 4	000 - 255	0 - 100%
40	White 4	000 - 255	0 - 100%
41	Red 5	000 - 255	0 - 100%
42	Green 5	000 - 255	0 - 100%
43	Blue 5	000 - 255	0 - 100%
44	White 5	000 - 255	0 - 100%
45	Red 6	000 - 255	0 - 100%
46	Green 6	000 - 255	0 - 100%
47	Blue 6	000 - 255	0 - 100%

48	White 6	000 - 255	0 - 100%
49	Red 7	000 - 255	0 - 100%
50	Green 7	000 - 255	0 - 100%
51	Blue 7	000 - 255	0 - 100%
52	White 7	000 - 255	0 - 100%
53	Red 8	000 - 255	0 - 100%
54	Green 8	000 - 255	0 - 100%
55	Blue 8	000 - 255	0 - 100%
56	White 8	000 - 255	0 - 100%
57	Red 9	000 - 255	0 - 100%
58	Green 9	000 - 255	0 - 100%
59	Blue 9	000 - 255	0 - 100%
60	White 9	000 - 255	0 - 100%
61	Red 10	000 - 255	0 - 100%
62	Green 10	000 - 255	0 - 100%
63	Blue 10	000 - 255	0 - 100%
64	White 10	000 - 255	0 - 100%
65	Red 11	000 - 255	0 - 100%
66	Green 11	000 - 255	0 - 100%
67	Blue 11	000 - 255	0 - 100%
68	White 11	000 - 255	0 - 100%
69	Red 12	000 - 255	0 - 100%
70	Green 12	000 - 255	0 - 100%
71	Blue 12	000 - 255	0 - 100%
72	White 12	000 - 255	0 - 100%

CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION!
Disconnect from mains before starting maintenance operation.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

If you have further questions, please contact your dealer.

NOTE!
Not For Permanent Out Door!

INSTALLATION

The device must only be installed at a vibration-free, oscillation-free and fire-resistant location.