LED 7×50W Retro Light with Auxiliary Light Manual

1、 Technical Parameter

Voltage：AC100~220V 50/60HZ

Power：168×0.3W+ 7×50W-(actual power：250W)

Lamp beads：168 5050 RGB LED lamp beads + 7 warm white COB lamp beads

Control mode：DMX512, self-propelled, master-slave, voice control, with RDM function.

Channel：CH04, CH16, CH22, CH28, CH40

Dimming：32bit 0~100% linear dimming

Features：Dyeing + Strobe + Filling Light

Working temperature：-30℃~50℃

Strobe frequency：1~30HZ

Appearance：Metal, Black
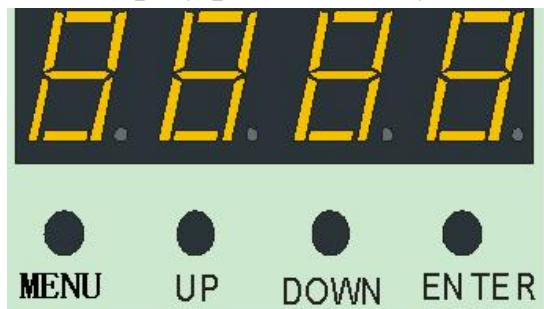
Connection method：DMX512 input and output / power input and output.

IP rating：IP20

size：80*34*76CM

Weight：15KG

2、 Display panel and key definition

MENU	UP	DOWN	ENTER
Menu	**Up**	**Down**	**Enter**

Menu key：select function
Up key：parameter increment
Down key：decrement parameter
Enter key：enter and save

3、 Menu function

After power on, press the menu key, and the menu function table will appear in sequence; press the UP or DOWN key to modify the function parameters, and the ENTER key to save the current function and parameters (after saving, it has a power-down memory).

Menu funtion table:

A001	➡	A512	Set the address code, modify the address code (A001~A512) up or down, and press ENTER to save.
CH16	➡	CH16	Switch up or down five channels CH03, CH16, CH22, CH28, ch40, and press ENTER to save. Default CH16
A007	➡	N63	Auxiliary light effect mode, ENTER key to save
S000	➡	S000	Up or down to modify the auxiliary light effect running speed (S000~S255), and press ENTER to save.
E007	➡	E21	Intermediate main light mode, ENTER key to save.
S000	➡	S255	Up or down to modify the running speed of the intermediate main light (S000~S255), and press the Enter key to save.
Sound	➡	Sound	Sound control mode.
R255	➡	R000	R red lamp bead dimming, modify the brightness of the red lamp bead up or down (R000~R255), and press the ENTER key to save.
G255	➡	G000	G Green LED dimming, modify the brightness of the green LED up or down (G000~G255), press ENTER to save.
B255	➡	B000	B Blue lamp bead dimming, modify the brightness of the blue lamp bead up or down (B000~B255), and press OK to save.
W255	➡	W000	W Single light brightness, modify the single light brightness up or down (W000~W255), press ENTER to save.

4、 Master-slave control

There are 2 or more identical lamps connected with DMX three-core signal line, all lamps are set to any address code of A001~A512, any one is set as the master, the other lamps are slaves, and the display of all slaves does not flicker ; When using the host to adjust the gradient, pulse, jump, voice control, and self-propelled effects, all slaves synchronize the gradient, pulse, jump, voice, and self-propelled effects.

Special attention：
1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly without synchronization.
2. Master-slave mode for all fixtures must be used only when the DMX512 console is turned off.

5、 Factory setting

At any address code A001~A512, press the menu key for 3 seconds to enter the factory setting. The factory settings are mainly the output power of each channel of the lamp, the fan setting mode, the setting of the temperature protection point, and the function of sending parameters. The factory settings are any mode, and press the menu key for 3 seconds to exit.

Factory setting table:

R255	➡	R020	R Red lamp bead current setting, up or down to modify the hexagonal red lamp bead current (R020-R255), press ENTER to save.
G255	➡	G020	G Green LED current setting, up or down to modify the hexagonal green LED current (G020-G255), and press ENTER to save.
B255	➡	B020	B Blue lamp bead current setting, up or down to modify the hexagonal blue lamp bead current (B020-B255), and press ENTER to save.
W255	➡	W020	W single-color lamp current setting, up or down to modify the single-color lamp current setting (W020~W255) up or down, and press the ENTER key to save.
FAN1	➡	FAN0	Fan setting：FAN0 light bead is on to start the fan, FAN1 reaches the set temperature protection point to start the fan, and the ENTER key is saved.
T040	➡	T-105	Set the temperature protection point, modify the parameters up or down (40℃~75℃), and press the ENTER key to save.
Send	➡	Send	Send the factory setting parameters of the machine up or down to all other lamps connected in parallel with three-core signal lines; confirm the sending parameters and press the menu key for 3 seconds to exit, and deny the parameters and press the ENTER key to cancel the sending.

6、 DMX512 console

After the power is turned on, the address codes of all lamps are set, and all lamps are connected in parallel to the DMX512 console with a three-core signal line, and the address code will stop flashing, indicating that the DMX512 console signal has been sent to the lamps. related functions.

CH04 channel description:

Channel	Channel value	Basic function
1	000-255	Red lamp beads linear dimming.
2	000-255	Green lamp beads linear dimming.
3	000-255	Blue lamp beads linear dimming.
4	000-255	White lamp beads linear dimming.

CH16 channel description：factory default channel

Channel	Channel value	Basic function
1	000-255	Total dimming
2	000-255	Red, green and blue total dimming
3	000-255	Red lamp beads linear dimming.
4	000-255	Green lamp beads linear dimming.
5	000-255	Blue lamp beads linear dimming.
6	000-255	Red, green and blue strobe (0-9 has no effect, 10-255 speeds up)
7	000-255	Red, green and blue mode. Effect (4 values for one effect)
8	000-255	Red green blue speed
9	000-255	Red green blue background color
10	000-255	Red, green and blue background dimming
11	000-255	White lamp bead dimming
12	000-255	White lamp bead strobe
13	000-255	White lamp bead mode, effect (0-5 no effect) (12 values 1 effect)
14	000-255	White lamp bead mode speed
15	000-255	Red-green-blue-white combination mode, effect
16	000-255	Red-green-blue-white combination (speed)

CH22 channel description:

Channel	Channel value	Basic function
1	000-255	Total dimming
2	000-255	Red, green and blue total dimming
3	000-255	Red lamp beads linear dimming.
4	000-255	Green lamp beads linear dimming.
5	000-255	Blue lamp beads linear dimming.
6	000-255	Red, green and blue strobe
7	000-255	Red-green-blue mode. Effect (4 values 1 effect)
8	000-255	Red green blue speed
9	000-255	Red green blue - background color
10	000-255	Red Green Blue - Background Dimming
11	000-255	Section 01 white lamp bead linear dimming.
12	000-255	Section 02 white lamp bead linear dimming.
13	000-255	Section 03 white lamp bead linear dimming.
14	000-255	Section 04 white lamp bead linear dimming.
15	000-255	Section 05 white lamp bead linear dimming.。
16	000-255	Section 06 white lamp bead linear dimming.
17	000-255	Section 07 white lamp bead linear dimming.
18	000-255	White light strobe

19	000-255	White light mode. Effect (0-5 useless. 12 values 1 effect)
20	000-255	White light speed
21	000-255	Red-green-blue-white-combination mode. Effect
22	000-255	Red Green Blue White - Speed

CH28 channel description:

Channel	Channel value	Basic function
1	000-255	Section 01 red lamp bead linear dimming.
2	000-255	Section 01 green lamp bead linear dimming.
3	000-255	Section 01 blue lamp bead linear dimming.
4	000-255	Section 02 red lamp bead linear dimming.
5	000-255	Section 02 green lamp bead linear dimming.
6	000-255	Section 02 blue lamp bead linear dimming.
7	000-255	Section 03 red lamp bead linear dimming.
8	000-255	Section 03 green lamp bead linear dimming.
9	000-255	Section 03 blue lamp bead linear dimming.
10	000-255	Section 04 red lamp bead linear dimming.
11	000-255	Section 04 green lamp bead linear dimming.
12	000-255	Section 04 blue lamp bead linear dimming.
13	000-255	Section 05 red lamp bead linear dimming.
14	000-255	Section 05 green lamp bead linear dimming.
15	000-255	Section 05 blue lamp bead linear dimming.
16	000-255	Section 06 red lamp bead linear dimming.
17	000-255	Section 06 green lamp bead linear dimming.
18	000-255	Section 06 blue lamp bead linear dimming.
19	000-255	Section 07 red lamp bead linear dimming.
20	000-255	Section 07 green lamp bead linear dimming.
21	000-255	Section 07 blue lamp bead linear dimming.
22	000-255	Section 01 white lamp bead linear dimming.
23	000-255	Section 02 white lamp bead linear dimming.
24	000-255	Section 03 white lamp bead linear dimming.
25	000-255	Section 04 white lamp bead linear dimming.
26	000-255	Section 05 white lamp bead linear dimming.
27	000-255	Section 06 white lamp bead linear dimming.
28	000-255	Section 07 white lamp bead linear dimming.

CH40 channel description:

Channel	Channel value	Basic function
1	000-255	Total dimming
2	000-255	Red Green Blue - Total Dimming
3	000-255	Section 01 red lamp bead linear dimming.

4	000-255	Section 01 green lamp bead linear dimming.
5	000-255	Section 01 blue lamp bead linear dimming.
6	000-255	Section 02 red lamp bead linear dimming.
7	000-255	Section 02 green lamp bead linear dimming.
8	000-255	Section 02 blue lamp bead linear dimming.
9	000-255	Section 03 red lamp bead linear dimming.
10	000-255	Section 03 green lamp bead linear dimming.
11	000-255	Section 03 blue lamp bead linear dimming.
12	000-255	Section 04 red lamp bead linear dimming.
13	000-255	Section 04 green lamp bead linear dimming.
14	000-255	Section 04 blue lamp bead linear dimming.
15	000-255	Section 05 red lamp bead linear dimming.
16	000-255	Section 05 green lamp bead linear dimming.
17	000-255	Section 05 blue lamp bead linear dimming.
18	000-255	Section 06 red lamp bead linear dimming.
19	000-255	Section 06 green lamp bead linear dimming.
20	000-255	Section 06 blue lamp bead linear dimming.
21	000-255	Section 07 red lamp bead linear dimming.
22	000-255	Section 07 green lamp bead linear dimming.
23	000-255	Section 07 blue lamp bead linear dimming.
24	000-255	Red Green Blue - Strobe
25	000-255	Red Green Blue - Mode (4 values 1 mode)
26	000-255	Red Green Blue - Speed
27	000-255	Background color
28	000-255	Background color dimming
29	000-255	Section 01 white lamp bead linear dimming.
30	000-255	Section 02 white lamp bead linear dimming.
31	000-255	Section 03 white lamp bead linear dimming.
32	000-255	Section 04 white lamp bead linear dimming.
33	000-255	Section 05 white lamp bead linear dimming.
34	000-255	Section 06 white lamp bead linear dimming.
35	000-255	Section 07 white lamp bead linear dimming.
36	000-255	White light - strobe
37	000-255	White light - mode, effect (0-5 useless. 12 values 1 effect)
38	000-255	White light - speed
39	000-255	Red-green-blue-white-combination mode. Effect
40	000-255	Red Green Blue White - Speed

7、 Mode effects

Channel value	Mode code	Effect
0-7	0	no effect
8-15	1	Effect 1
16-23	2	Effect 2
24-31	3	Effect 3
32-39	4	Effect 4
…	…	… …
232-239	29	Effect 29
240-247	30	Mode code 1-29 cycle.
248-255	31	Sound control