Two Eyes LED Retro Lighting



Please read this user manual carefully before use

Thank you for using our products, is safe and effective use of this product to you, before you use this product, please read this instruction manual carefully complete. This manual contains: the performance of the product is and how to safely install, and use of important information, please properly keep, in order to use as a reference. When installing and using relevant instructions must be strictly observed.

Operation parameters:

Voltage: AC100~240V 50/60HZ
Power: 42W
LED beads: 96 (5050) RGB - 24V + 60 (3030)dual-color-24V
Control methods: DMX512, voice control, master-slave, with RDM function.
Channels: CH05, CH10, CH17, CH19, CH52
Dimming: 32-bit 0~100% linear dimming
Features: Strobe + Secondary Light
Operating temperature: -30°C~50°C
Flicker frequency: 1~30Hz
Appearance: Metallic, black
Connection methods: DMX512 input/output / power input/output.
IP Rating: IP20

Menu functions

After powering on, press the menu key to bring up the menu menu in sequence; Press the up or down key to modify function parameters, and the confirm key saves the current function and parameters (after saving, it has power-off memory).

Menu menu:

A001	➡	A512	Modify the address code (A001~A512) up or down, press confirm to save, default is A001.
CH05	➡	CH52	Switch channels CH05, CH10, CH17, CH19, C52 up or down; confirm key to save; default is CH05.
P000	➡	P255	Adjust strobe effects up or down (P000~P008) if no effect, (P009~P255) flash speed from slow to fast, confirm to save, default P000.
M000	➡	M255	Modify the built-in effect up or down, press confirm to save, default is M009.
S000	➡	S255	Adjust the built-in effect running speed up or down (S000~S255), press confirm to save, default is S010.
n000	➡	n255	Modify the white mode effect up or down, confirm to save, default is N009.
S000	➡	M255	Modify the running speed of white mode effects up or down (S000~S255), confirm to save, default is S010.
Q000	➡	Q255	Modify the external RGB mode effect up or down, confirm to save, default Q000.
S000	➡	S255	Adjust the running speed of the external RGB mode effect up or down (S000~S255), confirm to save, default is S010.
Sond	➡	Sond	Voice control.
r255	➡	r000	Adjust the brightness of the red LED bead (R000~R255) up or down, press confirm to save, default is R255.
G255	➡	G000	Adjust the brightness of the green LED bead (G000~G255) up or down, press confirm to save, default is G255.
b255	➡	b000	Adjust the brightness of the blue LED bead (B000~B255) up or down, press confirm to save, default is B255.
W255	➡	W000	Adjust the brightness of the white LED bead (W000~W255) up or down, press confirm to save, default W255.
Y255	➡	Y000	Adjust the brightness of the yellow LED bead (Y000~Y255) up or down, press confirm to save, default Y255.

3. Factory setup

For any address code in A001~A512, press the menu key for 3 seconds to enter factory settings. Factory settings mainly include the output power of each lamp channel, fan setting modes, setting temperature protection points, and sending parameters. In factory settings, press the menu button to exit any mode in 3 seconds.

Factory Setup Pattern Table:

r255	➡	r032	Adjust the red LED bead current (R032 - R255) up or down, confirm to save, default R255.
G255	➡	G032	Adjust the green LED bead current (G032 - G255) up or down, confirm to save, default G255.
b255	➡	b032	Adjust the blue LED bead current (B032 - B255) up or down, confirm to save, default B255.
W255	➡	W032	Adjust the current of the white LED bead (W032 - W255) up or down, confirm to save, default W255.
Y255	➡	Y032	Adjust the white LED bead current (Y032-Y255) up or down, confirm to save, default W255.

LEd1	➡	LEd0	Modify LED0/LED1 parameters up or down, press confirm to save, default LED1.
S000	➡	S099	Modify the value up or down (S000-S099), save with the confirm key, default is S009.
E000	➡	E255	Modify the value up or down (E032-E255), confirm to save, default E1200.
SEnd	➡	SEnd	Send factory-set parameters up or down to all other three-core signal lines connected in parallel to all other lamps; Confirm the sending parameters

4. Master-slave machine control

Two or more identical fixtures are connected using DMX three-core signal cables. All fixtures are set to any address code A001~A512, with any one set as the master and the others as the slave. When using the main unit to adjust gradient, pulse, jump, and auto-drive effects, all slaves synchronize with the gradient, pulse, hop, and auto-drive effects.
Special attention: 1. Only one main unit can be installed per group of lighting fixtures. If there are multiple main units, all the fixtures will flicker randomly and not synchronize.
2. All fixtures must be used only when the main and slave units are turned off on the DMX512 console.

5. DMX512 Console

After powering on, set the address codes for all fixtures, then connect all fixtures in parallel with a three-core signal cable to the DMX512 console. The address codes will stop flashing, indicating that the DMX512 console signal has been sent to the fixtures. Follow the instructions for each channel to control related functions with the DMX512 console.

CH05 Channel Description:

Passage	Channel values	Basic functions
1	000-255	Red brightness is adjusted from low to high
2	000-255	Adjust the green brightness from low to high
3	000-255	Blue brightness is adjusted from low to high
4	000-255	White brightness is adjusted from low to high
5	000-255	Yellow brightness is adjusted from low to high

CH17 Channel Description:

Passage	Channel values	Basic functions
1	000-255	Total dimming
2	000-255	Adjust the brightness of the outer red from low to high.
3	000-255	The brightness of the outer green is adjusted from low to high.
4	000-255	The outer blue brightness is adjusted from low to high.
5	000-255	External RGB Shutter
6	000-255	External RGB Mode
7	000-255	Outer red, outer green, outer blue speed adjustable from slow to fast.
8	000-255	Background Color
9	000-255	Background dimming

10	000-255	White brightness is adjusted from low to high.
11	000-255	Yellow brightness is adjusted from low to high.
12	000-255	White strobe
13	000-255	White Mode
14	000-255	The white speed is adjusted from slow to fast.
15	000-255	Total strobe
16	000-255	Overall mode
17	000-255	The overall speed is adjusted from slow to fast.

CH19 Channel Description:

Passage	Channel values	Basic functions
1	000-255	Total dimming
2	000-255	Adjust the brightness of the outer red from low to high.
3	000-255	The brightness of the outer green is adjusted from low to high.
4	000-255	The outer blue brightness is adjusted from low to high.
5	000-255	Outer red, outer green, outer blue flash (Shutter).
6	000-255	Outer red, outer green, outer blue modes (RGB Mode).
7	000-255	Outer red, outer green, outer blue speed adjustable from slow to fast.
8	000-255	Background Color
9	000-255	Background dimming
10	000-255	White (the first LED bead) brightness is adjusted from low to high.
11	000-255	Yellow (the first bulb) brightness is adjusted from low to high.
12	000-255	White (the second bulb) brightness is adjusted from low to high.
13	000-255	Yellow (the second bulb) brightness is adjusted from low to high.
14	000-255	White strobe
15	000-255	White Mode
16	000-255	The white speed is adjusted from slow to fast.
17	000-255	Total strobe
18	000-255	Overall mode
19	000-255	The overall speed is adjusted from slow to fast.

CH20 Channel Description:

Passage	Channel values	Basic functions
1	000-255	The outer red (the first LED bead) brightness is adjusted from low to high.
2	000-255	The outer green (the first LED bead) brightness is adjusted from low to high.
3	000-255	The outer blue (the first LED bead) brightness is adjusted from low to high.
		

10	000-255	The outer red (the fourth LED bead) brightness is adjusted from low to high.
11	000-255	The outer green (the fourth LED bead) brightness is adjusted from low to high.
12	000-255	The outer blue (the fourth LED bead) brightness is adjusted from low to high.
13	000-255	White (the first LED bead) brightness is adjusted from low to high.
14	000-255	Yellow (the first bulb) brightness is adjusted from low to high.
↓	↓	↓
19	000-255	White (the fourth LED bead) brightness is adjusted from low to high.
20	000-255	Yellow (the fourth LED bead) brightness is adjusted from low to high.

CH52 Channel Description:

Passage	Channel values	Basic functions
1	000-255	The outer red (the first LED bead) brightness is adjusted from low to high.
2	000-255	The outer green (the first LED bead) brightness is adjusted from low to high.
3	000-255	The outer blue (the first LED bead) brightness is adjusted from low to high.
↓	↓	↓
46	000-255	The outer red (the 16th LED bead) brightness is adjusted from low to high.
47	000-255	The outer green (the 16th LED bead) brightness is adjusted from low to high.
48	000-255	The outer blue (the 16th bulb) brightness is adjusted from low to high.
49	000-255	White (the first LED bead) brightness is adjusted from low to high.
50	000-255	Yellow (the first bulb) brightness is adjusted from low to high.
51	000-255	White (the second bulb) brightness is adjusted from low to high.
52	000-255	Yellow (the second bulb) brightness is adjusted from low to high.

RGB Mode

Passage	Channel values	Basic functions
1	000-008	No effect
2	009-242	One effect every 9 values (26 effects in total)
3	243-255	Effect 27

Shutter

Passage	Channel values	Basic functions
1	000-008	No effect
2	009-255	Slow to fast

Background Color

Passage	Channel values	Basic functions
1	000-009	Red
2	010-255	One effect every 6 values (41 effects in total)

White Mode

Passage	Channel values	Basic functions
1	000-255	32 values make one effect (8 effects in total)

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