

# Description Of Retro Light

## I. Display panel and key definition



**Menu Key: Select Function**

**Up key: parameter recursion**

**Down key: parameter decrement**

**Enter key: Confirm and save**

## II. Menu functions

Press the menu key after power on, the menu function table appears in turn; up or down key to modify the function parameters, Enter key to save the current function and parameters (save with power down memory).

**Menu Function Table:**

A001	➡	A512	Up or down to change address code (A001~A512), Enter key to save.
CH10	➡	CH73	Up or down to change CH04、CH10、CH73 three channel settings, Enter key to save.default CH10
M000	➡	M127	Effect Mode .Up or down to change, Enter key to save
S000	➡	S255	Up or down to change hexagon built-in effect(s000 ~ s255)running speed, Enter key to save
Soud	➡	Soud	Sound control mode.
R255	➡	R000	Up or down to change red light bead brightness (r000~r255), Enter key to save.。
G255	➡	G000	Up or down to change green light bead brightness (G000~G255), Enter key to save.
B255	➡	B000	Up or down to change blue light bead brightness (b000~b255), Enter key to save.
W255	➡	W000	Up or down to change white light bead brightness (w000~w255), Enter key to save.
T000			Display temperature, such as T045 indicates current luminaire temperature is 45°C; not installed 10 K thermistor, display T---

## III. Master-slave control

Two or more of the same lamps are connected with DMX three-core signal lines, all lamps are set to A001~A512 any address code, any one is set to host, and other lamps are slave; when the host is gradient, pulse, jump, sound control, self-walking effect, slave synchronous gradient, pulse change, jump, sound control, self-walking effect.

**Special note :**1. a group of lamps can only set up one host, if there are more than one host, all lamps will flash and not synchronized.

2. all lamps must be master-slave when the DMX512 console is closed.

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## IV. Factory setup

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

### Factory Setup Table:

R255	➔	R020	Red lamp bead current setting, modify red lamp bead current up or down (R020-R255), Enter key to save.
G255	➔	G020	Green light bead current setting, modify green light bead current up or down (G020-G255), Enter key to save.。
B255	➔	B020	Blue bead current setting, modify blue bead current up or down (B020-B255), Enter key to save.
W255	➔	W020	White light bead current setting, modify white light bead current up or down (W020-W255), Enter key to save.
FAN1	➔	FAN0	Fan setting: Start the fan FA-0 light is on, FA-1 reach the set temperature protection point start the fan, Enter key to save.
T040	➔	T-105	Set the temperature protection point, modify the parameters up or down (40°C~105°C), Enter key to save.
Send	➔	Send	Send up or down the local factory setting parameters to all other three-core signal lines connected in parallel lamps; confirm the sending parameters press menu key 3 seconds exit, deny the parameters press confirmation key to cancel the sending.

## V. DMX512 console

After power on all lamps address code set, connect all lamps with three-core signal line in parallel to the DMX512 console, the address code will stop flashing, indicating that the DMX512 console signal has been sent to the lamp, according to the channel instructions with the DMX512 console control related functions.

### CH10 Channel Description:




Channel	Channel values	Function
1	000-255	Dimmer
2	000-255	Strobe
3	000-255	Red beads with linear dimming
4	000-255	Green beads with linear dimming
5	000-255	Blue beads with linear dimming
6	000-255	White beads with linear dimming
7	000-255	RGB self-propelled mode
8	000-255	Mode speed
9	000-255	Back wall color
10	000-255	Luminance of back wall color

### CH4 Channel Description:




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Channel	Channel values	Function
1	000-255	Red beads with linear dimming
2	000-255	Green beads with linear dimming
3	000-255	Blue beads with linear dimming
4	000-255	White beads with linear dimming

## CH73 Channel Description:

Channel	Mode No.	Effect
1	000-255	The 1 <sup>st</sup> group red beads with linear dimming
2	000-255	The 1 <sup>st</sup> group green beads with linear dimming
3	000-255	The 1 <sup>st</sup> group blue beads with linear dimming
4	000-255	The 2 <sup>nd</sup> group red beads with linear dimming
5	000-255	The 2 <sup>nd</sup> group green beads with linear dimming
6	000-255	The 2 <sup>nd</sup> group blue beads with linear dimming
...	...	...
		
<b>70</b>	000-255	The 24 <sup>th</sup> group red beads with linear dimming
<b>71</b>	000-255	The 24 <sup>th</sup> group green beads with linear dimming
<b>72</b>	000-255	The 24 <sup>th</sup> group blue beads with linear dimming
<b>73</b>	000-255	White beads with linear dimming

## VI. The effect of mode:

Channel values	Mode No.	EFFECT
<b>0-1</b>	<b>0</b>	No effect
<b>2-3</b>	<b>1</b>	Effect 1
<b>4-5</b>	<b>2</b>	Effect 2
<b>6-7</b>	<b>3</b>	Effect 3
<b>8-9</b>	<b>4</b>	Effect 4
...	...	...
		
<b>250-251</b>	<b>125</b>	Effect 125
<b>252-253</b>	<b>126</b>	Effect 126
<b>254-255</b>	<b>127</b>	Effect 127

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## VII Technical parameters:

Voltage: AC100~220V 50/60HZ

Power: 72\*0.25W (18W) + 60W

Bead: 72pcs 5050 RGB LED bead + White color LED bead

Control: DMX 512, Master-slave mode, self-propelled mode, voice control, RDM function

Channel: CH010、CH04、CH73

Dimming: 32bit 0~100% Linear Dimming

Feature: Draw Marquee-LED Banner, Strobe.

Working Temperature(°C): -30°C-50°C

Strobe frequency: 1-30Hz

Shell: Black Aluminum alloy

Connection type: DMX512 input, output / Power input, output.

Waterproof rate: IP20