

# LED stage lighting equipment operating instructions

## Single retro light



**Please read the operating instructions carefully before use**

Thanks for using our LED Stage Lighting Equipment. Before using, please read the instruction carefully. The instruction include important installing and using information. Please use the fixtures following the instruction and keep the user manual properly.

Our product use engineering plastic shell which is new, beautiful and can bear high temperature and high hardness metal body. Our product strictly follow the standard of CE and CCC to design and product. It's conform to the international standard DMX512 signal protocol. It's can be use alone or connect together. It's have rotation fast, low noise and multifunctional as the product's feature. It's special for KTV, Dance hall, Night club, Bar and so on.

## **1. Safety Instruction**

- Please keep this User Guide for future consultation.If you sell the unit to another user,be sure that they also receive this instruction booklet
- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating,ensure that the voltage and frequency of power supply match the power requirements of the unit
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only.Use only in a dry location
- The unit must be installed in a location with adequate ventilation,at least 50cm from adjacent surfaces.Be sure that no ventilation slots are blocked
- Disconnect main power before replacement or servicing.
- Make sure there is no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit.Don't handle the unit by taking its head only,But always by taking its base.
- Maximum ambient temperature is  $t_a:40^{\circ}\text{C}$ . Don't operate it where the temperature is higher than this.
- Unit surface temperature may reach up to  $85^{\circ}\text{C}$ .Dont touch the housing bare-hand during its operation.Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of serious operating problem,stop using the unit immediately.Never try to repair the unit by yourself.Repairs carried out by unskilled people can lead to damage or malfunction.Please contact the nearest authorized technical assistance center.Always use the same type Spare parts.

## **2. Warning**

- To prevent or reduce the risk of electrical shock or fire,do not expose the unit the rain or moisture.
- Do not open the unit within five minutes after switching off. ● The housing,the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

## **3. Caution**

There are no user serviceable parts inside the unit.Do not open the housing or attempt any repairs yourself.In the unlikely event your unit may require service,Please contact your nearest dealer.

## **4. Installation**

The unit should be mounted via its screw holes on the bracket.Always ensure that the unit is firmly fixed to avoid vibration and slipping white operating.And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight.Also always use a safety cable hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals.And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

## 1、 Display panel and key definition



Menu key: Select functions

Up key: parameter increments

Down key: indicates the descending parameter value

Enter key: Confirm and save

## 2、 The menu features

After power-on, press the menu key and the menu function list will appear successively. The up or down key modifies function parameters, and the Confirm key saves the current functions and parameters (power failure memory is available after saving).

Menu function table:

A001	➔	A512	Set the address code, modify the address code (A001 to A512) up or down, confirm key Save.
CH10	➔	CH73	Switch channels CH04, CH10, and CH73 up or down and confirm. The default CH10
M000	➔	M127	Effect mode, up or down to switch the built-in effect, confirm the key to save.
S000	➔	S255	Up or down modify the running speed of hexagonal built-in effect (S000~ S255), confirm the key to save.
Soud	➔	Soud	Voice mode.
R255	➔	R000	R Red bead dimming, up or down to modify the brightness of the red bead (R000~ R255), confirm key save.
G255	➔	G000	G Green bead dimming, upward or downward change the green bead brightness (G000~ G255), confirm to save.
B255	➔	B000	B Dimming the blue bead. Modify the brightness of the blue bead up or down (B000 to B255), confirm and save.
W255	➔	W000	W Monochromatic light on. Upward or downward change the monochromatic light on (W000 to W255). Confirm the Settings.
T000			Display temperature, for example, T045 indicates that the current lamp temperature is 45 ° C

### 3、 Master/slave control

There are 2 or more than 2 sets of the same lamps with DMX three-core signal line connection, all lamps are set to A001~A512 arbitrary address code, set any one for the host, other lamps are slave machine, all slave machine display screen does not blink; With the host adjustment gradual change, pulse change, jump change, voice control, self-moving effect, all the slave machine synchronous gradual change, pulse change, jump change, voice control, self-moving effect.

Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly and not synchronize.

2, all lights must be closed DMX512 console master and slave machine to have a role.

### 4、 The factory set up

At any address code from A001 to A512, press the menu key for 3 seconds to enter the factory setting. Factory Settings are mainly the functions of each output power of the lamp, fan setting mode, setting temperature protection point and sending parameters. Press the menu key for 3 seconds to exit in any mode set by the factory.

#### Factory setup table:

R255	➡	R020	R Red bead current Settings, up or down to modify the hexagonal red bead current (R020-R255), confirm the key to save.
G255	➡	G020	G Green bead current Settings, up or down to modify the hexagonal green bead current (G020-G255), confirm the button to save.
B255	➡	B020	B Blue lamp bead current Settings, up or down to modify the hexagonal blue lamp bead current (B020-B255), confirm the button to save.
W255	➡	W020	W Set the current of the monochrome indicator. Up or down modify the current of the monochrome indicator (W020 to W255).
FAN1	➡	FAN0	Fan setting: When the FAN0 lamp is on, the fan is started. When FAN1 reaches the set temperature protection point, the fan is started.
T040	➡	T-105	Set the temperature protection point, modify the parameter upward or downward (40 ° C to 75 ° C), and press OK to save the Settings.
Send	➡	Send	Send up or down the machine factory set parameters to all other lamps connected in parallel with three core signal lines; To confirm sending parameters, press the menu key for 3 seconds

### 5.DMX512 consoles

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




## CH10 Channel:

Chan nel	Model	The basic function
1	000-255	Total medallion
2	000-255	stroboscopic
3	000-255	Linear dimming of red beads
4	000-255	Linear dimming of green lamp beads
5	000-255	Linear dimming of blue lamp beads
6	000-255	Linear dimming of white lamp beads
7	000-255	The RGB mode is automatic
8	000-255	Mode speed
9	000-255	The background color
10	000-255	Background color brightness

## CH4 Channel :

Chann el	Model	The basic function
1	000-255	Linear dimming of red beads
2	000-255	Linear dimming of green lamp beads
3	000-255	Linear dimming of blue lamp beads
4	000-255	Linear dimming of white lamp beads

## CH73 Channel :

Channel	Model	effect
1	000-255	Linear dimming of red beads in group 1
2	000-255	Linear dimming of green beads in group 1
3	000-255	Linear dimming of blue beads in group 1
4	000-255	The second set of red beads is linearly dimmed
5	000-255	The second group of green beads is linearly dimmed
6	000-255	The second set of blue beads is linearly dimmed
...	...	...
		
<b>70</b>	000-255	Group 24 red beads linear dimming
<b>71</b>	000-255	Group 24 green beads linear dimming
<b>72</b>	000-255	Group 24 blue beads linear dimming
<b>73</b>	000-255	Linear dimming of white lamp beads

## 6、 Model effect

Channel	Model	effect
0-1	0	No effect
2-3	1	Effect1
4-5	2	Effect2
6-7	3	Effect3
8-9	4	Effect4
...	...	... ..
250-251	125	Effect 125
252-253	126	Effect 126
254-255	127	Effect 127

## 7、 Technical parameters:

Voltage: AC100~220V 50/60 Hz

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

Lamp beads: 72 5050 tricolor LED lamp beads + long white lamp beads

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

Channel: CH010, CH04, and CH73

Dimming: 32bit 0 to 100% linear dimming

Features: Dye + flash + auxiliary light

Operating temperature: -30 degrees ~50 degrees

Stroboscopic frequency: 1 to 30HZ

Appearance: metal, black

Connection mode: DMX512 input/output/power input/output.

IP level: IP20