



**960pcs\*0.2W 5050 RGB 3IN 1 LED  
LED strobe with 8 segments  
(Model:YR-F960T)**



## **User Manual**

*Please read these instructions carefully before use*

**Attention:**The ideal working environment of this equipment is between 0-35 degrees, and the surface temperature of the light body is 40-70 degrees. In order to protect safe operation, it is absolutely necessary for users to follow the safety instructions and warnings in this manual.

### **1. Technical specification:**

#### **- Light Source:**

960pcs\*0.2W 5050 RGB 3IN 1 LED

Light source life: 50000 hours

Beam angle: 120°

#### **- Control parameters**

Strobe: 0-30Hz, standard strobe

Dimming: 0-100% standard linear dimming, 32bit

Control signal: DMX512 (Digital MultipleX 512) + RDM, in line with international standard lighting control transmission protocol

Control channel: 3 channels, 10 channels, 240 channels, 247 channels

Built-in effects: 80 stages of horse racing + coloring + flashing, programming effect is rich, can be segmented control or total control

Operating modes: console, manual, master-slave

Cooling method: heat dissipation by aluminum sheet + fans

Real-time monitoring: light source temperature, signal display

#### **- Working parameters:**

Working voltage: AC100V-240V (50/60HZ)

Rated total power: 130W

Power factor: 0.56

Rated current: 0.60A

Use ambient temperature: <40 degrees

#### **- Light parameters:**

Chassis material: a full set of aluminum alloy (high temperature resistance), fine sand paint (high-end wear-resistant)

Display: LED digital tube display +4 buttons

Power interface: PowerCon one in(Blue)and one out(White)

Signal interface: XLR 3 pins ( male + female), support to insert DMX512 wireless signal receiver

Waterproof grade: IP20

Net Weight:3.35KG

Light size: 46\*21\*17.5CM

## 2. Display



## 3. Menu function reference table:

A001	➔	A512	Modify the address code up or down(A001~A512),press ENTER key to save,default A001.
C003	➔	C240	Switch up or down C003.C010.C240.C247 channels, press ENTER key to save,default C010.
n000	➔	I255	Modify up or down to change character 1 effect,Vertical center display(using JXXX character 2 at the same time, will keep left display ),a total of 127 effects,press ENTER key to save,default n000
C000	➔	C255	Change the color of the built-in effect up or down,1 value 1 color,8 color effect in total,default C000
S000	➔	S255	Modify the built-in effects running speed up or down(S000~ S255),press ENTER key to save,default S000
R255	➔	R000	Modify red bead brightness up or down(R000~ R255),press ENTER key to save,default R255

G255	➔	G000	Modify green bead brightness up or down(G000~G255),press ENTER key to save,default G255
b255	➔	b000	Modify blue bead brightness up or down(b000~b255),press ENTER key to save,default b255
T000			Display temperature, eg.T045 means the temperature 45°C;No 10K thermistor is installed,display T000

#### 4.Master-Slave Control Model:


**Master and slave:** Set up one fixture as Master fixture(triggering), other fixtures as slave fixtures(the DMX menu, and the address code must be 001 ) , Slave fixtures under DMX add. Connect the signal cable, the slave fixtures will run and keep function synchronism as master fixtures.

#### 5.Factory setting

In any address code A001~A512, press the menu key for 5 seconds to enter the factory Settings. Factory setting is mainly about the output power of each lamp, fan setting mode, temperature protection point setting, and sending parameters. If the factory sets any mode, press the menu key for 5 seconds to exit.

R255	➔	R032	Modify red bead current up or down(R032-R255),press ENTER key to save,default R220
G255	➔	G032	Modify green bead current up or down(G032-G255),press ENTER key to save,default G220
B255	➔	B032	Modify blue bead current up or down(B032-B255),press ENTER key to save,default B220
FAN0	➔	FAN1	Fan setting : FAN0 the bead is on to start the fan, FAN1 Start the fan when the preset temperature protection point is reached, press ENTER key to save
T040	➔	T-105	Setting temperature protection point,Modify the parameter up or down(40°C~105°C),press ENTER key to save
Send	➔	Send	Send local factory Settings up or down,to other lamps connected in parallel with 3pin signal wires (If the display blinks once every five seconds, the transmission is



 <b>合格证</b> Certification			
产品名称:	Item Name		
产品型号:	Item NO.		
检验员:	Inspector		
检验日期:	Inspection Date		
执行标准:	Implementation Standards	GB7000 · 217-2008	
<b>本产品经检验合格，准予出厂!</b> This product passed the inspection			
<b>广东雅格莱灯光音响有限公司</b> Guangdong YaGe Lai Lighting & Audio Limited			
全国电话: 400-618-4388 Tel:400-618-4388			
<b>保修卡</b> Protection to Fix Card			
非常感谢您使用我们的产品			
1.本产品从购买日起，正常使用并未经拆修，经保修人员确认属产品 质量问题，在均享受保修服务(其中光源为易耗品只享受三个月保修)， 在作保正常情况 下均提供维修。			
2.保修卡应在购买时予填写，保修卡无本公司保修章无效，产品维护时请带保修卡。			
Very thank you for using our products			
1.From the date of purchase,if the product is operated correctly without disassembling and fixing , at the same time ,the quality problem was confirmed by our after-sale service department , we will offer maintenance service at any time under any normal situation within one year.			
2.The warranty card should be filled in at the time of purchase. The warranty card is invalid without our company's warranty seal. Please bring the warranty card when maintaining the product.			
顾客姓名	购买日期	产品型号	购买商
Customer Name	Purchasing Date	Product Model	Purchaser
保修记录: Maintenance Record:			
广东雅格莱灯光音响有限公司 Guangdong YaGe Lai Lighting & Audio Limited 地址: 肇庆市端州区大旺大道41号肇庆万洋众创城D10 Address: D10, Guangdong YaGe Lai Lighting & Audio Limited, No. 41 Dawang Avenue, Wanyang High-tech Zone, Zhaoqing City, Guangdong Province			

10. If the display screen and lens are visibly damaged, that is, damaged to the point of failure, such as cracks or deep marks, they should be replaced.

### 8. Installation requirements :

1. When installing this device, please ensure that there are no extreme, flammable and explosive items (decorations), etc. within a distance of 3 meters.
2. The distance between the direction of the light outlet of the lamp and the object to be illuminated is at least 0.5 meters.
3. The light output direction of the lamp is the optical lens. During use, no external force can hit the glass. If the lens is damaged, you need to find a professional to replace the lens with the same specification before using it.
4. When the sheath of the power cord is damaged, you must find a professional to replace it with a new power cord of the same specification before using it.
5. When the product is hung and installed, the load of the hanging part must be at least 3 times the weight of the product, and a safety rope should be buckled on the auxiliary suspension device of the lamp. The load of the safety rope should be greater than 3 times the weight of the product above.
6. When the lamp is in use, it must be controlled within the use time indicated by the light source. After the use time is reached, please replace the light source in time before using it, otherwise the light source is easily deformed or weakened, which will affect the use.

**The company reserves the right to modify this product manual without notice.**

Send	➔	Send	successful);Press the menu key for 5 seconds to confirm sending parameters,then exit,deny parameters press the confirm key cancels sending.
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### 6. DMX512 channel description:

3 channel:

S/N	Function	Description
1	000-255	R Red bead linear dimming
2	000-255	G Green bead linear dimming
3	000-255	B Blue bead linear dimming

10 channel:

S/N	Function	Description
1	000-255	General dimming
2	000-255	strobe
3	000-255	numbers.letters.symbols
4	000-255	Mode effect,take precedence over numbers.letters.symbols, 0-1:no effect,2-255:Every two numbers is an effect,127 effect in total
5	000-255	Color bar,color of mode effect,32 numbers is a color,the last 32 values are 7 colors automatically changed(Dynamic mode works)
6	000-255	Directional bar,Mode effect running direction(values 0~127.128~255 Positive and negative directions)
7	000-255	speed
8	000-255	R Red bead linear dimming
9	000-255	G Green bead linear dimming
10	000-255	B Blue bead linear dimming

240 channel:

S/N	Function	Description
1	000-255	R Paragraph 1 Red bead linear dimming
2	000-255	G Paragraph 1 Green bead linear dimming
3	000-255	B Paragraph 1 Blue bead linear dimming
...	...	...
238	000-255	R Paragraph 80 Red bead linear dimming
239	000-255	G Paragraph 80 Green bead linear dimming
240	000-255	B Paragraph 80 Blue bead linear dimming

247 channel:

S/N	Function	Description
1	000-255	General dimming
2	000-255	strobe
3	000-255	numbers.letters.symbols
4	000-255	Mode effect,take precedence over numbers.letters.symbols, 0-1:no effect,2-255:Every two numbers is an effect,127 effect in total
5	000-255	Color bar,color of mode effect,32 numbers is a color,the last 32 values are 7 colors automatically changed(Dynamic mode works)
6	000-255	Directional bar,Mode effect running direction(values 0~127.128~255 Positive and negative directions)
7	000-255	speed
8	000-255	R Paragraph 1 Red bead linear dimming
9	000-255	G Paragraph 1 Green bead linear dimming
10	000-255	B Paragraph 1 Blue bead linear dimming
...	...	...
245	000-255	R Paragraph 80 Red bead linear dimming
246	000-255	G Paragraph 80 Green bead linear dimming
247	000-255	B Paragraph 80 Blue bead linear dimming

## 7. Instructions and remarks :



### WARNING, ELECTRIC SHOCK HAZARD

**If the light source in this light needs to be replaced, it should be replaced by our company or our service agent or a person with similar qualifications.**

1. Check whether the power supply and voltage are normal before use. If the voltage fluctuates greatly, it is recommended to use a voltage stabilizer or voltage regulator for power supply.
2. This equipment is IP20 grade, it is strictly forbidden to use dry ice machine smoke screen to cover lights.
3. This equipment belongs to the first-class protection lamps, so the yellow and green double-color wires must be grounded, and it must be taken care of by professionals.
4. Do not touch the shell of the device with your hands when it is working.
5. The internal components of this equipment must be purchased from the manufacturer.
6. The power cord of the product must be grounded and well grounded.
7. When using the console, try to avoid the left and right neighbors when controlling, and whether there is any source of interference. (Example: wireless walkie-talkie, high-frequency transmission source, etc.)
8. When using this product, the same line can control up to 20 sets of the same product. If it exceeds this range, additional signal amplification equipment must be used to amplify the signal, and a terminator should be installed on the DMX output port of the last light, and a 120 ohm ( The error is within 5 ohms) The 1/4W resistor is between Pin2 and Pin3.
9. The input power cord of this product is equipped with a specification of 1.0 square meters. When connecting by hand, no more than 4 lamps can be connected. The company shall not be responsible for the use of burnt lamps and other accidents that do not follow this requirement.