# 4*100W COB LED BLINDER

# 4 EYE BLINDER USER MANUAL

# CE ROHS

| | |
|---|---|
| **MODE NO.** | **TH-332** |
| **NAME** | **2x2 COB Led Blinder** |

**Notice: because the policy of improve the products quality of our company. Maybe some data in the instructions will change in future. By that time, we won't inform you about the changed matters. The-One company reserve the right of changing correlative specification when improve the products. Publisher of the instruction will not responsible for veracity of information and some correlative results caused by this information.**

**Technical Parameter:**

- **LED: 4 pcs* 100W COB LED**
- **Light Color: Single color warm white or cool white**
- **LED Life Time: over 50,000 hours**
- **Voltage :AC100V-240V 50-60Hz**
- **Power consumption :260/520W**
- **Beam Angle: 30 degree**
- **Dimmer: 0~100% linearly adjustable**
- **Strobe effect: Variable speed (1-30Hz)**
- **Refresh rate : 11700Hz! 100% Flicker Free for film and TV camera**
- **Color effect feature: With individual control effect**
- **Power input : Powercorn connector**
- **House Material: Metal**
- **House Color: Black**
- **Control mode: DMX512,Master/Slave, Auto Run, Stand alone, Sound active**
- **DMX Channel: 4/8CH**
- **Working temperature: -30°C~40°C**
- **Cooling: Two low noise fans**
- **IP Grade: IP20**
- **Net Weight: 5kgs**
- **Gross Weight: 7kgs**

## 1.Description

**Character**

**4 control mode**

**External control mode**
**DMX512 controller controller mode （2 kind of DMX Channel）**
**Master/slave**

**Auto mode**
**Built-in Program**
**Different kind of Gradual change& Random change**
**Different kind of strobe:speed (slow to fast)、fix color( Strobe +color、 Strobe +Gradual change)……**
**Setting Program**
**It can setting the program without the controller , it can setting**

**Gradual change、jump change、strobe ...(different effect)**

**And the program data can be down load from master light toslave light**

**Static model**

**It can fix the color without the controller, also can be choose it with strobe**

**Sound model**

**Included 2 kinds of commonly used sound model**

**"Software cutting "**

- **In the STAR mode , working built-in program /setting program ,the lightwould be turn off when the dimmer channel as "0"（procedure would keep working)**
- **The difference with "BLACKOUT" key(controller keys) &"Software cutting" ： only work this light , and do not clear up the controller data .**
- **White color**

  **Setting different color temperature of white color**

- **Screen Protection**

  **Without operate key in 30 seconds, it enter black screen. Press any keys then it can quit screen protection.**

- **Temperature Protection**

  **It can set to protect the temperature .**

- **Speed of the Fan**

  **The fan will be worked when the working temperature reach 40 degree,and the speed will get the faster as the temperature get high.**

**Can be showed reverse display**

## 1 Multi-light working in the same time

**When using controller to control several lights , and using strobe , auto mode, the controller just send the channel data . Those effect( strobe ,auto running ,fix color)would be showed by itself. And should be attention for the follow situation:**

- **There will be many situation make the light become not synchronizationin the beginning. (For example: the different time of opening the light will makethem connect the controller in different time) . And you can change the controller table puller data( from 20 to 0, and back to 20), then it can be synchronization.**

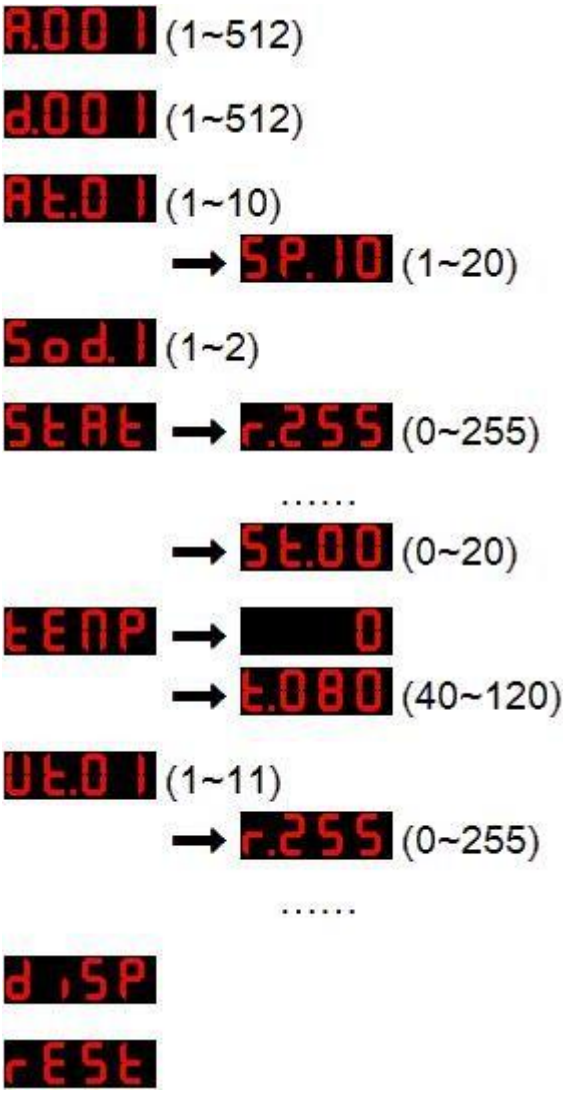
- **Due to different lights crystal frequency are not exactly equal, so it will become not synchronization after long time.**

- **If need to be synchronization for long time, there is 2 approaches:**
  A. **Using the controller to make program make the strobe, auto run effect to be synchronization.**

  B. **Using the Maser/Slave model**

2. Operation

## 2.1 Key operation




**Menu :**

**The first list is the main menu (press MENU to exchange), the second list is submenu (press ENTER to get in or exchange)**

**If the menu include the decimal point, that's the data, and it can be set by the Key of Up/Down.**

**Key operation :**

**Key of "MENU" (Press it and can save the data)**

**If it's the main menu, it will exchange to next main menu.**

**If it's the submenu , it will back to main menu.**

**Key of "ENTER" (Press it and can save the data)**

**If it's the main menu and it have submenu, it will enter the submenu.**

**If it's the submenu, it will exchange to the next submenu**

**Key of "UP/DOWN"**

**It's no function if the menu not include the decimal point.**

**If the menu include the decimal point, it can set the data after the decimal point. And it need to press "ENTER" to save the data.**

## 2.2 Menu Data

| Menu | | State | Operation | | Remark |
|---|---|---|---|---|---|
| Main Menu | Vice Menu | | | | |
| A.001 | No vice menu | A: advance | UP/DOWN | adjust ID adress | disconnect the controller and connect the master light, then itwill follow the master light. It will flicker if nosignal. |
| | | External controlmode (standard channel model) | ENTER | save the ID address | |
| d.001 | No vice menu | d: dmx | UP/DOWN | adjust ID adress | |
| | | External controlmode (Basic channel model) | ENTER | Save the ID address | |
| At.01 | One vice menu | At: auto | UP/DOWN | Choose program | |
| | | Auto run | ENTER | Enter vice menu | |
| | SP.10 | SP: speed | UP/DOWN | Adjust the speed | |
| | | select the speed of auto run | ENTER | Save data | |
| Sod.1 | None | Sod: sound | UP/DOWN | change to Sound control | |
| | | Sound mode | ENTER | Save data | |
| StAt | With multi-vice menus | StAt: static | ENTER | Enter vice menu | |
| | | Static model | | | |
| | r.255 | r、G、b、W..... | UP/DOWN | Change the value of led | |
| | ..... | Led set | ENTER | Save data and change to vice menu | |
| | St.00 | St: strobe | UP/DOWN | Change the value of strobe | |
| | | Strobe and the speed | ENTER | Save data and change | |
| tEMP | 2 vice menu | tEMp: temperature | ENTER | enter the vice menu | |

| | | | | | |
|---|---|---|---|---|---|
| | | temperature control | | | |
| | 0 | current temperature | ENTER | change to vice menu | |
| | | | | | |
| | t.080 | t: top | UP/DOWN | change the data of temperature protect | |
| | | set the protect temperature | ENTER | save and change | |
| Ut.01 | With menus | Wt: white | UP/DOWN | | |
| | | Color temperature setting | ENTER | Enter the vice menu | |
| | r.255 | r、G、b、W..... | UP/DOWN | Change the value of led | |
| | ..... | Change the value ofcolor temperature | ENTER | Sace data and change tovice menu | |
| diSP | No vice menu | diSP: display | ENTER | reverse the display | |
| | | set to show reverse display | | | |
| rESt | No vice menu | rESt: reset | ENTER | enter the interface ofkey | the password is “UP DONW UPDOWN” |
| | | return Initial State | | | |

## 2.3 Channel data

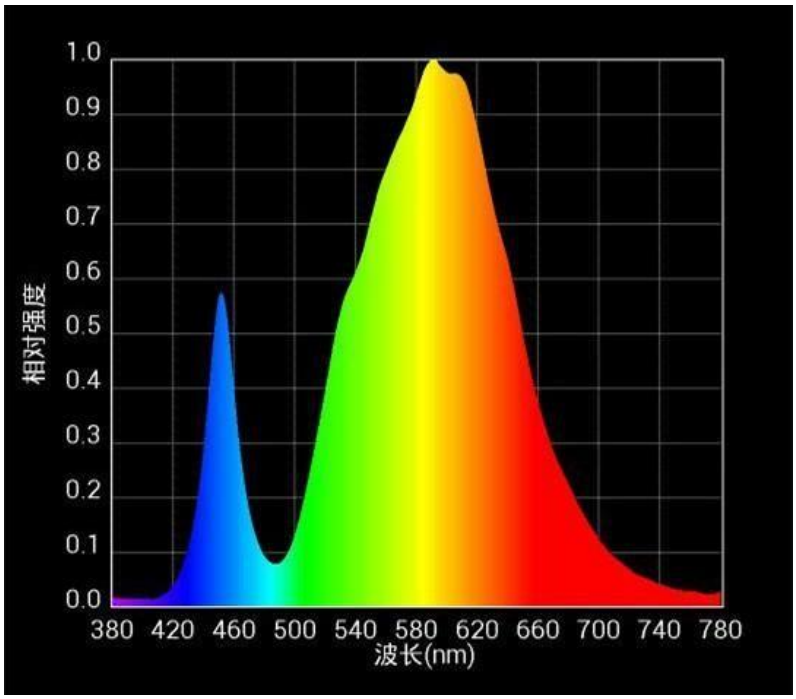
### 2.3.1 Channel

| Channel | Data | Function | |
|---|---|---|---|
| 1 | 0~255 | Dimmer | |
| 2 | 0~255 | Led 1 | |
| 3 | 0~255 | Led 2 | |
| 4 | 0~255 | Led 3 | |
| 5 | 0~255 | Led 4 | |
| 6 | 0~30 | No effect | Can be set via menu of "WT.xx" |
| | 31~255 | Dimmer | |
| 7 | 0~10 | No strobe | This channel can control the speed when run the inner program |
| | 11~255 | The speed of strobe (255 is fasterest) | |
| 8 | 0~20 | Speed of dimmer 4 (slowest and softest ) | |
| | 21~40 | Speed of dimmer 3 | |
| | 41~60 | Speed of dimmer 2 | |
| | 61~80 | Speed of dimmer 1 | |
| | 81~99 | Speed pf dimmer off (no delay) | |
| | 100~109 | Inner program 1 | |
| | ..... | .....(each 10 data is a program) | |
| | 190~199 | Inner program 10 | |
| | 200~240 | Change light led by sound model | |
| | 241~255 | Strobe by sound model | |

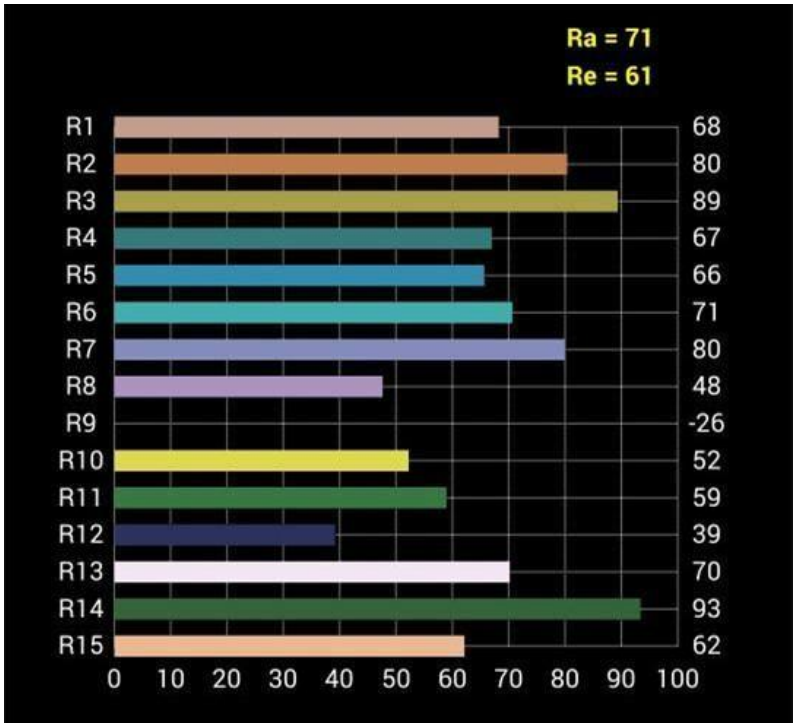
| Channel | Data | Function |
|---|---|---|
| 1 | 0~255 | Led 1 |
| 2 | 0~255 | Led 2 |
| 3 | 0~255 | Led 3 |
| 4 | 0~255 | Led 4 |

## 3. Photographic Chart

### 3.1 Spectrogram




### 3.2 CRI



## 3.3 Lumen

| 四眼灯4*100w | 照度Center Beam LUX(lux) |
|---|---|
| 1M | 44933 |
| 2M | 10145 |
| 3M | 4839 |
| 4M | 3007 |
| 5M | 2116 |
| 6M | 1540 |
| 7M | 1113 |
| 8M | 909 |
| 9M | 750 |
| 10M | 568 |
| 15M | 274 |

## SAFETY INSTRUCTIONS

**When use this product please pay close attention to the following items. 1）The product must be installed by a qualified professional**

2) **The product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warning described in this usermanual.**

3) **Manufacture will not with responsibility for those operation not according to this instruction.**

**Operation attentions**

1) **Do not connect power cable of other electric products with this unit.**

2) **Do not connect DMX512 signal cable of other electric products with this unit.**

3) **Check the fixture and power cord time to time, make sure the power cord is not crimped or damagedby sharp edges.**

4) **Do not shake the fixture. Avoid brute force when installing or operating, do not permit operation by person not qualified for operating the device.**

5) **Always make sure that the products are connected the proper voltage, and that the line voltage of theproducts connecting to is not higher than that stated on the decal or rear panel of the fixture.**

6) **During long period of non-use, disconnect the unit's main power**

7) **Do not attempt to operate this unit if the power has been frayed or broken. If the exterior cord of the fixture is damaged, it must be replaced by manufactory, agent or qualified technician.**

8) **There are no serviceable parts inside the unit. Do not open the housing or attempt any repairsyourself.**

9) **Maximum ambient temperature (Ta) is 35℃. Do not operate unit at temperature higher than this**

10) **The surface temperature of the light can reach to 65℃, cool down at least 15 minutes before the lightoperated.**

11) **Avoid looking into the source directly(especially those who suffer from epileptic fits)**

12) **Do not install the fixture on combustible surface. Always mount this unit in safe and stable mater.**

## DISCLAIMER

1. **The device is with one year warranty . The warranty period appear non-artificial quality problem, this company is responsible for free maintenance**
2. **User violate operation caused the machine failure, this is user responsibility.**
3. **If due to the wrong operation or intense impact caused product destroy even safety accidents, themanufacturer does not undertake any responsibility**
4. **Prohibit replaced product components by any person, therefore caused any consequences will bewhose responsible**

**Please contact us freely when you need our related products or information...**