

# EA-8503/8504 LED Matrix Light

COB 10W / 30W RGB Matrix 4x4



## Features

Voltage: AC100-240V 50/60Hz

Power: 200W/500W

Light source: **16pcs 10W/30W COB RGB**

1,3,4,6,16,18,48,49,50,51 DMX channels selectable

Each LED can be controlled individually

Sound controlled via built-in microphone

Adjustable sound sensitivity

Function: Color mix, automatic color change, built-in program and strobe effect with adjustable speed, dimmer, master/slave

LED display, easy to control

Full DMX512 control

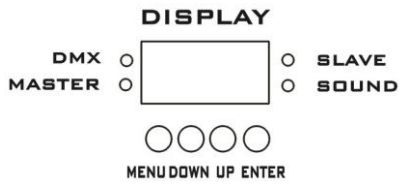
Unit can be connected and program differently.

With Safety loop

size: 55X55X30CM

Weight:11KG/25kg

**1,Digital display**



display	Mode	Function
<b>Addr</b>	DMX address setting And Channel mode	A001-A512/1CH B001-B512/3CH C001-C512/4CH D001-D512/6CH E001-E512/16CH F001-F512/18CH G001-G512/48CH H001-H512/49CH I001-I512/50CH J001-J512/51CH
<b>rL--</b>	Red	rL00
<b>gL--</b>	Green	gL00
<b>bL--</b>	Blue	bL00
<b>FLAS</b>	Shut	FL00
<b>FAdE</b>	Fade	FA00
<b>ASC-</b>	Color Macro	AS00
<b>CE--</b>	Program	CE00
<b>CS--</b>	Program Speed	CS00
<b>SLNd</b>	Slave mode	Master Slave 1 to Slave 16
<b>SHNd</b>	Show mode	One/Two Light Show <b>(TLSH)</b> Four Light Show <b>(FLSH)</b> Sixteen Light Show <b>(SLSH)</b>
<b>SOUN</b>	Sound mode	Sound on/off
<b>SENE</b>	Sound sense	000-100
<b>diSP</b>	Display inversion	dsp/rdsp
<b>tC25</b>	Temperature	<b>tC</b> 00 ~ <b>tC</b> 99
<b>Hour</b>	Using time of light	Fixture hours,0 ~ 9999

**Note:1, To the function mode you need, press Enter to confirm, press MODE about two seconds to quit.**

**2, The equipment can accept DMX signal whenever Auto or sound active mode, DMX is preferential.**

**3, Black out mode: Choose Yes, when no DMX, the unit goes to be Black out mode; Choose No, when no DMX, the unit goes to be Sound mode.**

## 2,DMX Charts:

### 1CH mode:

CH1	000-007	Blackout
	008-022	Show 1
	023-037	Show 2
	038-052	Show 3
	053-067	Show 4
	068-082	Show 5
	083-097	Show 6
	098-112	Show 7
	113-127	Show 8
	128-142	Show 9
	143-157	Show 10
	158-172	Show 11
	173-187	Show 12
	188-202	Show 13
	203-217	Show 14
	218-232	Show 15
233-247	Show 16	
248-255	Sound active running show 1 to 16	

### 3CH mode:

CH1	0-255	Red
CH2	0-255	Green
CH3	0-255	Blue

### 4CH Mode:

CH1	0-255	Red
CH2	0-255	Green
CH3	0-255	Blue
CH4	0-255	Color

### 6CH Mode:

CH1	0-255	Red
CH2	0-255	Green
CH3	0-255	Blue
CH4	0-255	Color
CH5	0-255	Dimmer
CH6	0-255	Strobe

### 16CH Mode:

CH1-CH16	0-255	The 1 <sup>st</sup> head color to the 16 <sup>th</sup> head color
----------	-------	---

### 18CH Mode:

CH1-CH16	0-255	The 1 <sup>st</sup> head color to the 16 <sup>th</sup> head color
CH17	0-255	Dimmer
CH18	0-255	Strobe

**48CH Mode:**

CH1,CH4,CH7,CH10,CH13,CH16 ,CH19,CH22,CH25,CH28,CH31, CH34,CH37,CH40,CH43,CH46	0-255	Red 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH2,CH5,CH8,CH11,CH14,CH17 ,CH20,CH23,CH26,CH29,CH32, CH35,CH38,CH41,CH44,CH47	0-255	Green 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH3,CH6,CH9,CH12,CH15,CH16 ,CH21,CH24,CH27,CH30,CH33, CH36,CH39,CH42,CH45,CH48	0-255	Blue 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16

**49CH Mode:**

CH1,CH4,CH7,CH10,CH13,CH16 ,CH19,CH22,CH25,CH28,CH31, CH34,CH37,CH40,CH43,CH46	0-255	Red 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH2,CH5,CH8,CH11,CH14,CH17 ,CH20,CH23,CH26,CH29,CH32, CH35,CH38,CH41,CH44,CH47	0-255	Green 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH3,CH6,CH9,CH12,CH15,CH16 ,CH21,CH24,CH27,CH30,CH33, CH36,CH39,CH42,CH45,CH48	0-255	Blue 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH49	0-255	Dimmer

**50CH Mode:**

CH1,CH4,CH7,CH10,CH13,CH16 ,CH19,CH22,CH25,CH28,CH31, CH34,CH37,CH40,CH43,CH46	0-255	Red 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH2,CH5,CH8,CH11,CH14,CH17 ,CH20,CH23,CH26,CH29,CH32, CH35,CH38,CH41,CH44,CH47	0-255	Green 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH3,CH6,CH9,CH12,CH15,CH16 ,CH21,CH24,CH27,CH30,CH33, CH36,CH39,CH42,CH45,CH48	0-255	Blue 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH49	0-255	Dimmer
CH50	0-255	Strobe

**51CH Mode:**

CH1,CH4,CH7,CH10,CH13,CH16 ,CH19,CH22,CH25,CH28,CH31, CH34,CH37,CH40,CH43,CH46	0-255	Red 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH2,CH5,CH8,CH11,CH14,CH17 ,CH20,CH23,CH26,CH29,CH32, CH35,CH38,CH41,CH44,CH47	0-255	Green 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH3,CH6,CH9,CH12,CH15,CH16 ,CH21,CH24,CH27,CH30,CH33, CH36,CH39,CH42,CH45,CH48	0-255	Blue 1/2/3/4/5/6/7/8/9/10/11 12/13/14/15/16
CH49	0-255	Color

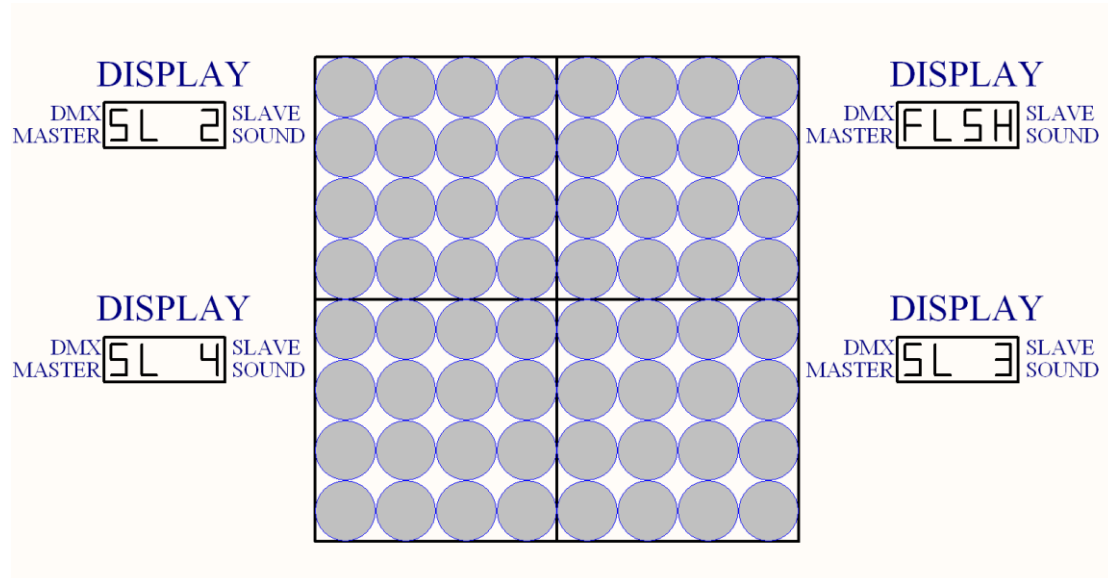
CH50	0-255	Dimmer
CH51	0-255	Strobe

**Fan timing function:**

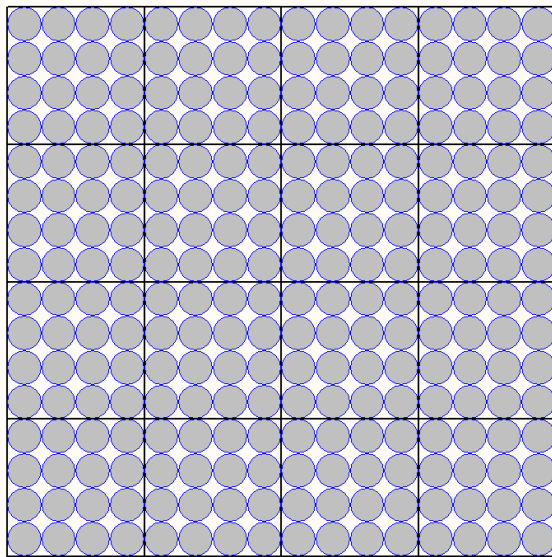
When the temperature is more than 35°C but less than 60°C, the fan run slowly, one more degree rising, the fan will run quickly accordingly, when temperature goes to 60°C, the fan run at full tilt. The fan will always run and stop till the temperature to be less than 35°C.

**Power dropping:** If the fan working at full tilt but the temperature is still rising, the power will reduce 5% when temperature rise one degree, if the temperature goes to be 68°C, the light will be black out. It can work again when the temperature cooled to be less than 60°C.

**Four light connection and display set**



## Sixteen light connection and display set



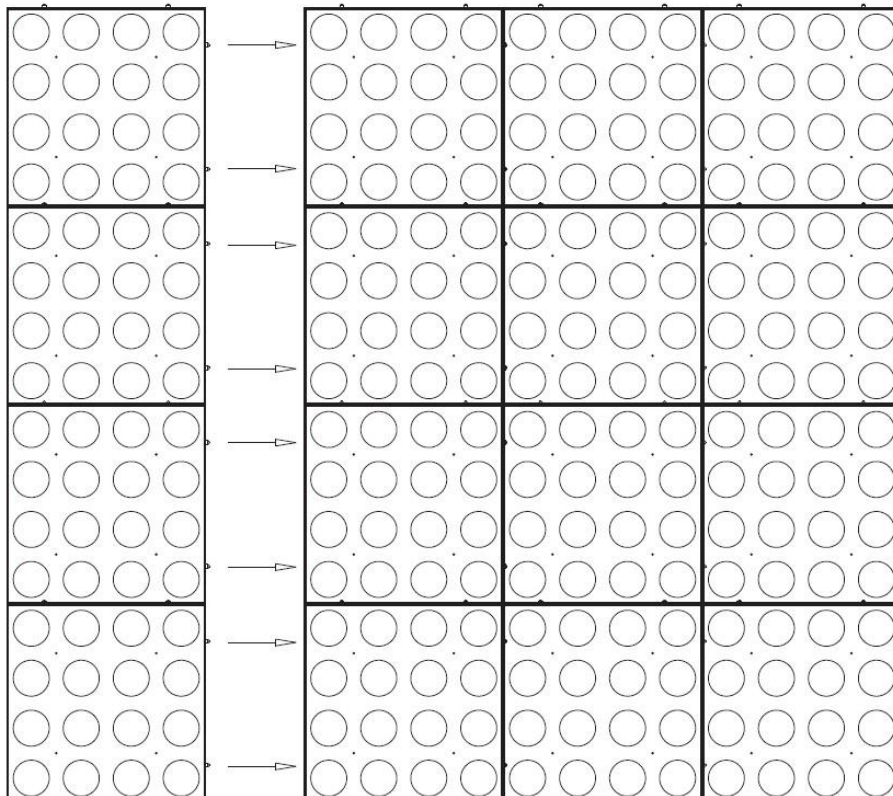
DISPLAY      DISPLAY      DISPLAY      DISPLAY  
 DMX MASTER [5L 4] SLAVE DMX SOUND MASTER [5L 3] SLAVE DMX SOUND MASTER [5L 2] SLAVE DMX SOUND MASTER [5L 5H] SLAVE SOUND

DISPLAY      DISPLAY      DISPLAY      DISPLAY  
 DMX MASTER [5L 8] SLAVE DMX SOUND MASTER [5L 7] SLAVE DMX SOUND MASTER [5L 6] SLAVE DMX SOUND MASTER [5L 5] SLAVE SOUND

DISPLAY      DISPLAY      DISPLAY      DISPLAY  
 DMX MASTER [5L 12] SLAVE DMX SOUND MASTER [5L 11] SLAVE DMX SOUND MASTER [5L 10] SLAVE DMX SOUND MASTER [5L 9] SLAVE SOUND

DISPLAY      DISPLAY      DISPLAY      DISPLAY  
 DMX MASTER [5L 16] SLAVE DMX SOUND MASTER [5L 15] SLAVE DMX SOUND MASTER [5L 14] SLAVE DMX SOUND MASTER [5L 13] SLAVE SOUND

## Connection



## Safety instruction

### CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires !  
 Electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

**Please note:** Every information is subject to change without prior notice