

LED BARREL SCANNER

In order to ensure your safety and the correct use of lighting, Please carefully read the following safety tips to avoid injury and unnecessary failures before use .

- 1, non-professionals, unallowed to disassemble the light arbitrarily and lighting accessories inside.
- 2, rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- 3, not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- 4, lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- 5, to keep away from the liquid substance and humid environment.
- 6, before using the lights must ensure the good grounding , can not install charging and remove any parts.
- 7, the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- 8, lamps consecutive working hours is not recommended more than 10 hours.
- 9, should stop using the lights in time when happens unusual conditions during the process
- 10, lamp parts of the rotation , external accessories and paste parts should be regular inspected, such as the emergence of loose and rock , should be reinforced in a timely manner to prevent the accident.

1 TECHNOLOGY REFERENCE

- 1、 Power supply: AC200V~240V/50HZ
- 2、 Power consumption : 280W
- 3、 Transformer: 280W Input: 220V/50HZ output: 12V30W\23V250W
- 4、 lamp: ELC250W24V
- 5、 color temperatrue: 3000K
- 6、 product size: 450×210×160
- 7、 Grounding resistance:: $\leq 0.5 \Omega$

2 FUNCTIONS INTRODUCTION

- 1 International universal control signal: DMX512
- 2 4 DMX channels
- 3 Digital display
 1. Master/Slave
 2. Sound control
 3. motor: inside microprocessing system control 3 motors
 4. 8 gobos + 8 colors + open
 5. Adjusting strobe frequency and shade
 6. X rotate 180, Y rotate 85, both of them have Micro-step precision

3 DISPLAY CODE SETTING METHOD

Each computer lamp should be endowed with a digital starting address number to guarantee the computer lamp may response to the correct control signal. The digital starting address number is a channel number by which the computer lamp only can follow the the numerical control instruction from the controller. This computer lamp has used 12 numerical control channels, the digital starting address is set by stiring the LCD on board which comes to regards as the digital start address value.

Computer lamp numeral starting address computation method:

Current computer lamp numeral starting address = (Last computer lamp numeral starting address value) + (controller basic channel number).

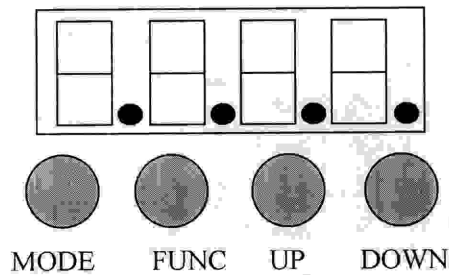
Illustration:

- (1): The first computer lamp numeral start address value is 1
- (2): The controller basic channel numbers should be bigger than or be equal to the computer lamp used numerical control channels.

Note:

When using any of the controllers, each lamp must has its own numerical starting address , such as the controller is 16-channel, the first lamp set to address A001; then the second lamps Address set on the A017 (1 +16); the third address position set on the A033 (1 +16 +16) , and so on, (setting way is up to the different controller)

4 DISPLAY BOARD ILLUSTRATION



MODE: For changing the processing mode.

FUNC: For selecting the functions

UP、DOWN: For changing the parameters

5 OPERATING ILLUSTRATION

(1) PROCESSING MODE

Press MODE key after the lamp start , then you can choose modes as follows:

① DMX mode

A. 001: press UP or DOWN key to A001 , and the lamp is in DMX mode. When the signal input , the first light flash on the display tube ,and there is no signal ,the light is in light out state

Master mode: (both X,Y work in following modes)

G. -1-: press UP or DOWN key to choose, it is **Sound activate mode** when “G.-1-” appear

G. -2-: press UP or DOWN key to choose, it is **Slow running mode** when “G.-2-” appear

G. -3-: press UP or DOWN key to choose, it is **Fast running mode** when “G.-3-” appear

G. -4-: press UP or DOWN key to choose, it is Breakout when “G.- 4-” appear

3、③ Slave mode

S. -1-: press UP or DOWN key to choose, it is the first salve mode when “S.-1-” appear

S. -2-: press UP or DOWN key to choose, it is the second salve mode when “S.-2-” appear

S. -3-: press UP or DOWN key to choose, it is the third salve mode when “S.-3-” appear

S. -4-: press UP or DOWN key to choose, it is the fourth salve mode when “S.-4-” appear

Remark: Generally , you can set all of slave to “S.-1-” .

(2) FUNCTION SELECTION

After the lamp start, press FUNC key, then press UP or DOWN to choose , you can choose functions follows :

P0/P1: P0 indicated that PAN did not reverse function, P1 indicated that the reverse function of PAN.

T0/T1: T0 said TILT does not reverse function, T1, said TILT reverse function.

d1 / No Show: turn off display panel, said at this time.

6 E2003 DMX CHANNEL SHEET

DMX channel	DMXchannel value	Detail function
CH1、 gobos	0~5	Off
	6~11	open
	12~17	gobo 1
	18~23	gobo 2
	24~29	gobo 3
	30~35	gobo 4
	36~41	gobo 5
	42~47	gobo 6
	48~53	gobo 7
	54~59	gobo 8
	60~65	gobo 1shake
	66~71	gobo 2 shake
	72~77	gobo 3 shake
	78~83	gobo 4 shake
	84~89	gobo 5 shake
	90~95	gobo 6 shake
	96~101	gobo 7 shake
102~107	gobo 8 shake	
108~171	gobo from slow to fast up and down flow	
172~251	Strobe from slow to fast	
252~255	open	
CH2、 horizontal	0~255	0~180°
CH3、 vertical	0~255	No limit to right and left
CH4、 function	0~7	Off
	8~79	On
	80~119	Inside program 1
	120~159	Inside program 2
	160~199	Inside program 3
	200~239	Sound control
	240~255	Reposition (note: push 250~255 first and stop 8S and then push to 240~249 stop 8s reposition)

7 DIFFICULTY RESOLUTION

The following is a list of problems and resolution , and other malfunction preparing work should be professionally qualified staff to deal with.

1, Bulb not working

Check whether approaching the service life of light bulbs, then change it

Check whether bulbs circuitry leak, loss or connect poorly

2. Beam appears bleak

The bulbs maybe approach the service life, then change it, or the optical components are uncleaned.

Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular period.

3. Computer lamp work intermittently

Check whether the fan process naturally and become dirty

Check inner temperature-response control plug is off

Check whether the circuitry is good

4. The computer lamp not controlled by controller during lighting

Check numeral starting address and the connection of communication control circuit

The corresponding channel button of controller is open or not

5. Computer lamp out start

Check whether the fuse on power supply input jack is broken off

Whether the connection is good caused by vibrating during transportation

Check power supply and computer board

6. After checking, some function not working

Check whether these function are in charge, or the chips are broken by high-pressure concussion

7. After checking, the program disorder and be out of control

Whether the signal is DMX 512

Whether the circuitry is short and open

8 CLEANING

To make sure the stable run of lamp, you should keep it clean. Command clean machine and fan. To accurate the best state and effect, you should clean lens and color filter timely, and do not use any soluble detergent when cleaning the color filter avoiding the damage to lamp.