



**BORAY铂锐**

# User Manual

Embedded bee eye head light


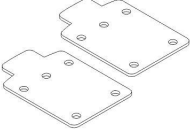
LY-B1600A

★ Please read carefully before installing and using the product ★

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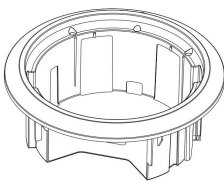
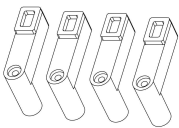
一、使用须知

<div><div>1. Before use</div><div>1.1 Introduction</div><div>Dear Customers:</div><div>Thank you for buying our products. For your safety, please read this manual carefully before operation. It covers installation details and operation instructions, please install and operate the light under its guidance and instructions strictly.</div><div>1) Please read all the information in this manual carefully.</div><div>2) To ensure the corrective and safety of installation, operation and maintenance, please install the light follow the instruction strictly.</div><div>3) The manufacturer shall not be liable for light, property or personal injury caused by failure to install, use and maintain the light in accordance with the requirements of this manual.</div><div>1.2 OOBA(Out Of Box Audit)</div><div>1) This series of products packed by standard carton.</div><div>2) Package details.</div><div>Related accessories showed as below exclude the light in the carton box:</div><div>附件</div></div>		
名称	数量	图示
Power cable	1pcs	
Hanging mounting bracket	2pcs	
Screw kits	1bag	M4*10



Please keep the packaging box and packaging for future transportation of lamps. Please keep this manual with the lamp for reference.

3. Product installation accessories. This product is standard for hanging installation. It is optionally equipped with embedded installation and needs to be purchased separately. The embedded installation accessories are shown in the table below; 嵌入式安装配件

名称	数量	图示
Embedded mounting base box	1pcs	
Embedded bottom box press	4pcs	
Screw kits	1bag	M5*70

#### 4、Matters and Attentions

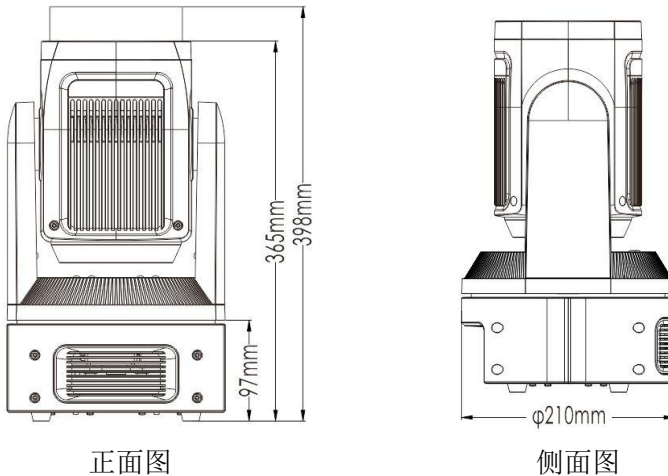
- The light must be operated according to the instruction. Do not disassemble the light by yourself.
- This product is applied indoor only, please do not apply it in the damp or leaky place and where with temperature over 40 degree.
- The light must be installed in a well-ventilated place.
- Do not exposure the human eye direct to the light source to avoid damage.
- Make sure of that the voltage of the power supply consistent with the required before installation.
- It must be verified that the hanging position can bear 10 times weight of the hanged light before hanging.

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- Ensure that the external protection are safe and firm such as ropes, hardware,etc. Add more protection in additional such as security rope.
  - Any part inside the light that cannot be repaired by users. Please do not open the light and repair by yourself, and do not make any modification to the lamp structure.
  - Make sure the power is disconnected before any operation,repair and clean work.
  - This product comes with a backup fuse, customers can replace in case of burning insurance problems.

## 2. Products Description

### 2.1 Appearance

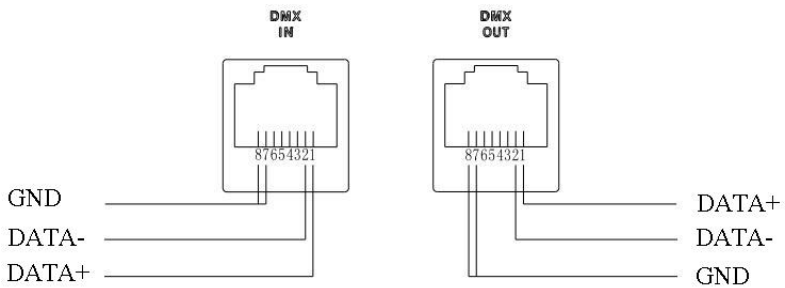
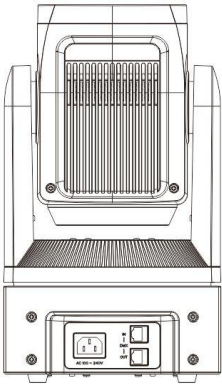
#### (1) Overall size



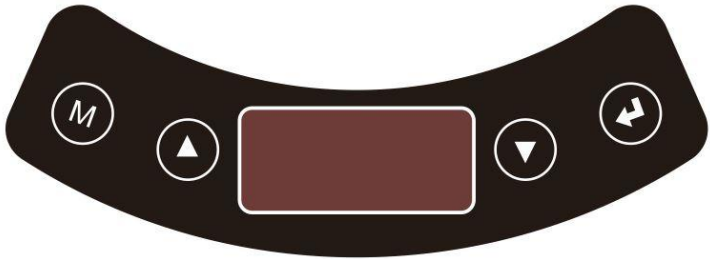
#### (2) RJ45 Interface

This light provide RJ45 connector for signal connecting, 1 for DATA+. 2 for DATA -, 7,8 for GND, cables can be provided for buying.





This lamp provides RJ45-mount interface for signal connection, 1 is signal +, 2 is signal -, 7, 8 is signal ground, customers can make their own network cables or order network cables from our company.



(3) Control Panel



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Display Panel Button Function Description	
Menu	Function Description
	Menu selection key
	Up to change sub-menu or increase values
	Down to change sub-menu or decrease values
	“Enter” key for confirmation, or saving setting values.

## 2、Technical Parameters and Details.

<b>Input</b>	AC100～240V, 50/60HZ
<b>Power</b>	180W @ 220V
<b>Light source</b>	LED
<b>CTT</b>	12000K
<b>LED life span</b>	About50000H
<b>Illumination</b>	About 5m 60000lux
<b>Light Outlet diameter</b>	120mm
<b>Pattern Panel</b>	1PCS Fixed Color Panel (10 Colors )
<b>Color disc</b>	1PCS Color Panel , (6 Colors + White )
<b>Prism</b>	Standard 1PCS 18Prism
<b>Beam Angle</b>	2°
<b>Dimmer</b>	0-100% adjustable
<b>Strobing</b>	Electronic Strobe , 0-25T/S , Adjustable Strobe Speed
<b>Communication Signal</b>	Standard DMX512 Signal ,RJ45 Network interface
<b>Communication interface</b>	RJ45 Network
<b>DMX Channel</b>	11CH

<b>Control Mode</b>	Automatic Mode , DMX Mode , Master-slave Mode ,Voice-activated Mode
<b>Rotation Angel</b>	Horizontal 540° , Vertical :180°
<b>Work Environment</b>	Indoor Used
<b>IP rating</b>	IP20
<b>Size</b>	210x210x389 (mm) & 298x298x398 (mm)
<b>Net weight</b>	4.0 kg
<b>Package</b>	Carton
<b>Installation Type</b>	Recessed , Hanging( Need Reinforce Ceiling Construction )
<b>Recessed Opening Hole Size</b>	Φ245-250MM , deep:100mm

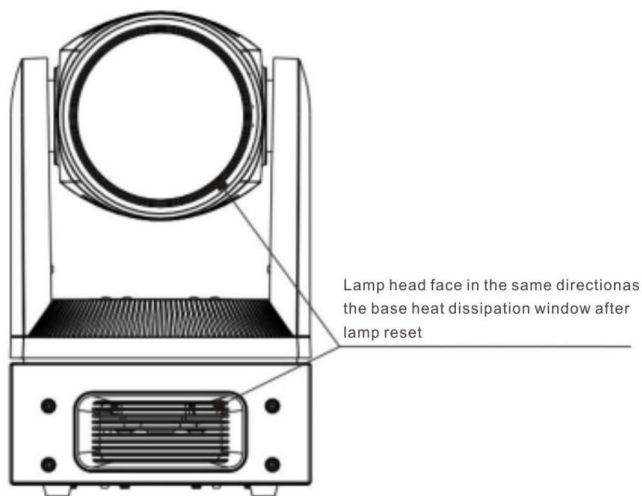
### 三、Product installation instructions

#### 1、Embedded installation

(1) Description of the light output direction of the lamp initialization lamp head

● After the lamp is initialized, the corresponding direction of the lamp head



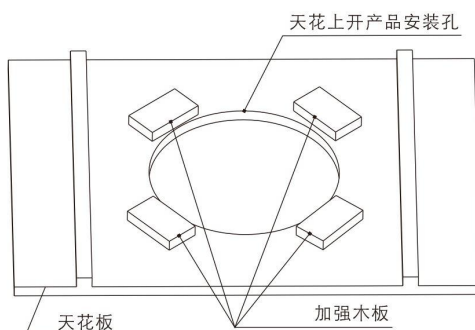


### Lamp reset original status

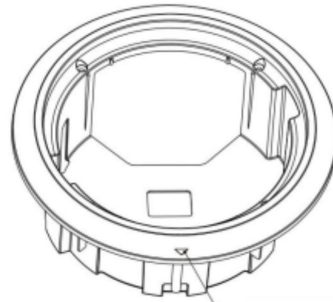
As shown in the figure, after the lamp is reset, the orientation of the base heat dissipation groove on the lamp is consistent with the orientation position of the lamp head. Therefore, when installing the lamp, the orientation of the base heat dissipation groove can be used as the orientation of the lamp head after the lamp is reset.

### (2) Pre-installed embedded installation bottom bo

1. Open product installation holes on the ceiling, with the diameter of the openings: 240mm~245mm, and prepare 4 pieces of wood of appropriate size for later use (\*Can confirm whether wooden boards need to be placed according to the ceiling strength);

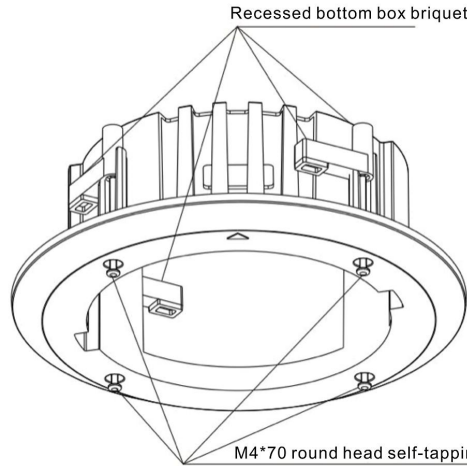


2. The triangle mark on the embedded installation base box is the reference direction of the initial orientation after the lamp head is reset;



After the lamp is reset, the initial direction of the lamp head is marked with reference triangle

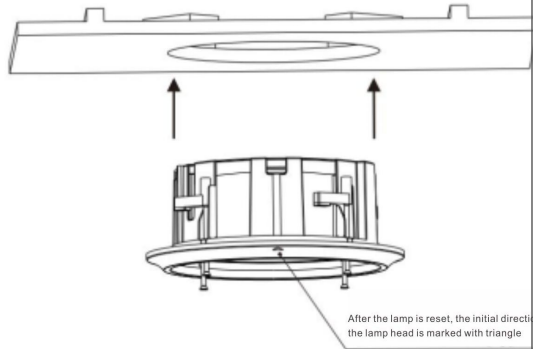
3. Use the M5\*70 countersunk tap screw to pass through the embedded installation bottom box and lock it into the screw hole of the bottom box on the back. The pressing block is against the left side and placed against the outer wall of the installation bottom box;



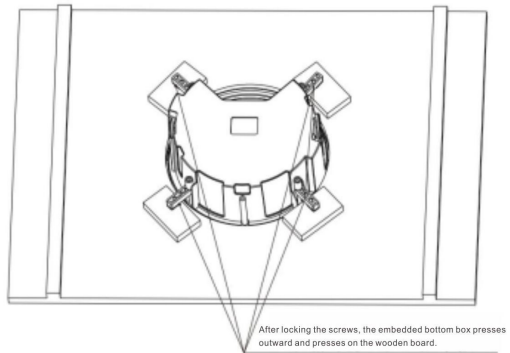
Recessed bottom box briquetting

M4\*70 round head self-tapping screw

4. After determining the initial position of the product lamp head, install the embedded installation bottom box into the ceiling pre-opened hole.

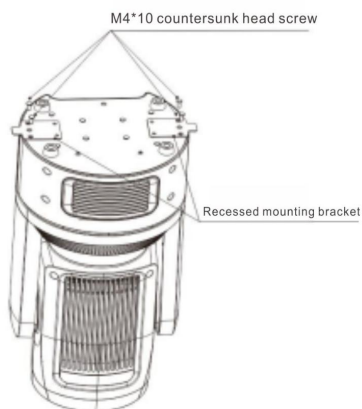


5. Tighten the screws so that the embedded bottom box presses the ceiling, check that the pre-installed ceiling bracket does not shake, and the installation is completed.

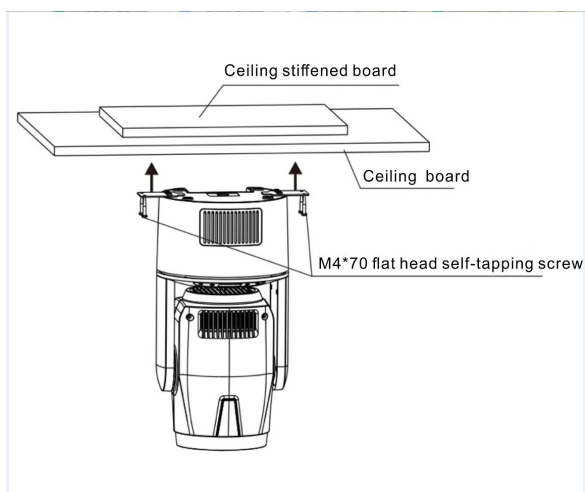


### (3) Install lamps

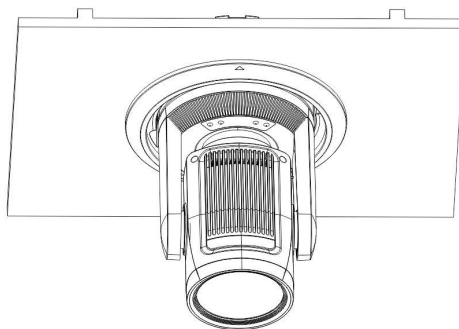
1. The product bottom box is installed with the embedded bracket, locked into 4 M4\*10 countersunk wire screws to fix it, as shown in the figure;



2. First connect the power cord and signal cord to the lamp; then adjust the direction of the lamp so that the base heat dissipation groove and the triangle mark on the embedded installation base box are in the same direction; finally align the lamp with the opening and rotate it to the right to the appropriate position, as shown in the figure;

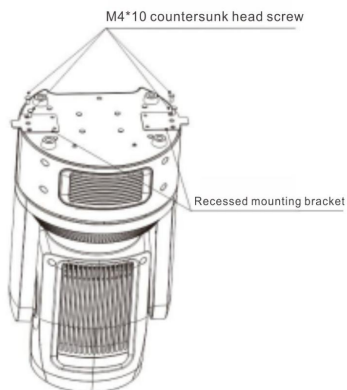


3.The effect after installation is completed, as shown in the figure;

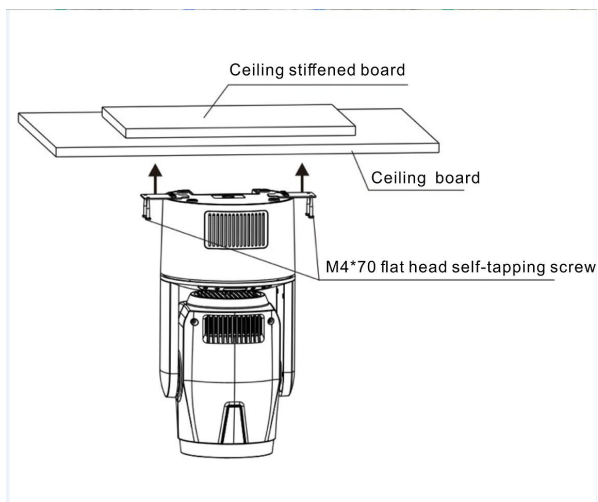


## 2、Hanging

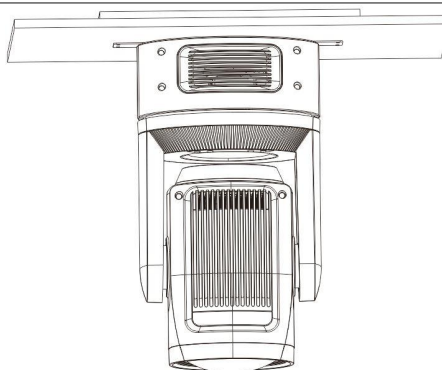
1. After removing the 4 foot pads at the bottom of the product, the product is installed with the embedded bracket and locked into the M4\*10 sinker wire screws to fix it, as shown in the figure;



2.Ceiling and product installation: ① Reinforce the lamp installation with wooden boards. ② Display the outlet hole in the ceiling as needed. ③ Insert the network cable and power cable through the ceiling opening into the corresponding interface of the product. ④After adjusting the product installation direction, fix the product to the ceiling. As shown;







3.The effect after installation is completed, as shown in the figure;







## 4、Product Operation Instructions

### 4.1 Main menu display





Press  enter into the main menu, press / to select sub-menu, press  to enter into the parameter setting menu.

### 4.2 Parameters setting

Press / to change the values, Press  key to exit value setting menu without saving current value, Press  key to save the values and back to the main menu.

### 4.3 Function Setting Description

#### (1) Main Menu

Set	MENU	UP/DOWN	Enter	Describe
DMX address		d001~d512		Device initial address
Selection			Menu SET	Press "Enter"3 times to enter in
Reset				Reset
Factory				Factory

#### (2) SET

UP/DOWN switches the same level. Press Enter under the level 2 menu to enter the next level. Press Enter under the level 3 menu to confirm. Menu returns to the previous level.

设置	2 级菜单	3 级菜单	说明
Run mode			DMX
			Auto run
			Sound active
			Single mode

		560	Master mode
		5600	Auto run slow
Movement	PAN	PAN	Pan forward move
		PPAN	Pan reverse move
	TILT	TILT	Tilt forward move
		TTILT	Tilt reverse move
Move angle	PAN	PAN54	Pan movement max 540°
		PAN36	Pan movement max 360°
		PAN18	Pan movement max 180°
	TILT	TILT18	Tilt movement max 180°
		TILT9	Tilt movement max 90°
Display direction	DIS	DIS	Forward display
		DDIS	Reverse display

### (3) DMX Channel function description

		Channel	
1	Pan position	0-255	Pan position
2	Pan fine and position	0-255	Pan fine and position
3	Tilt position	0-255	Tilt position
4	Tilt fine and position	0-255	Tilt fine and position
5	Movement speed	0-255	Movement speed
6	Dimmer adjustment	0-255	Brightness from dark to bright
7	Strobing	0	None
		1-255	Slow to fast
8	Color disc	0-19	Color 1 (White)
		20-39	Color 2 (Sky blue)
		40-59	Color 3 (Rose red)
		60-79	Color 4 (Green)
		80-99	Color 5 (Blue)
		100-119	Color 6 (Yellow)
		120-139	Color 7 (Red)



		140-255	<b>Color auto change from slow to fast</b>
9	Pattern Panel	0-9	Gobo 1
		10-19	Gobo 2
		20-29	Gobo 3
		30-39	Gobo 4
		40-49	Gobo 5
		50-59	Gobo 6
		60-69	Gobo 7
		70-79	Gobo 8
		80-89	Gobo 9
		90-99	Gobo 10
		100-109	Gobo 1 (shake)
		110-119	Gobo 2 (shake)
		120-129	Gobo 3 (shake)
		130-139	Gobo 4 (shake)
		140-149	Gobo 5 (shake)
		150-159	Gobo 6 (shake)
		160-169	Gobo 7 (shake)
		170-179	Gobo 8 (shake)
		180-189	Gobo 9 (shake)
		190-199	Gobo 10 (shake)
		200-255	<b>Gobo change auto change from slow to fast</b>
10	Prism	0	None
		1-9	<b>Prism in</b>
		10-255	<b>Prism rotating from slow to fast</b>
11	Automatic Mode	0-9	<b>None</b>
		10-29	<b>Auto1</b>
		30-49	<b>Auto2</b>
		50-69	<b>Auto3</b>
		70-89	<b>Auto4</b>
		90-109	<b>Auto5</b>

		110-129	Sound1
		130-149	Sound2
		150-169	Sound3
		170-189	Sound4
		190-199	Sound5
	FunctionalChannel	200-255	Rest

## 五、General Troubleshooting

### 5.1 The light doesn't work after power on

- Switched to the DMX512 mode or none sound source input under the sound-active mode.
- Check that whether the power socket is plugged in tightly or not.
- Check whether the fuse of AC seat is burnt out or not.

### 5.2 Abnormal control of light, such as uncontrolled and false death

- Power off and restart the light.
- Select the Reset menu function and reset it again.
- Select the "Load" to restore the factory settings.

### 5.3 Artificial use setting errors

- Select the "Load" to restore factory settings.

※Please contact with the professional technicians for repairing and treatment after checked and confirmed follow the above steps.

## 1. Special Tips

6.1 The design in this manual is only used as an instruction, not as a basis for product's inspection.

6.2 The illustrations in this manual may be different from the products. The actual sales style shall prevail.

6.3 Performance is subject to change without prior notice.