BORAY铂锐

User Manual

Embedded bee eye head light
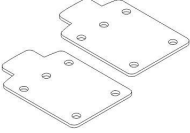
LY-S140A

★ Please read carefully before installing and using the product ★
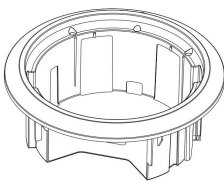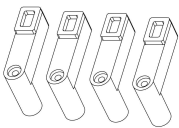
Contents

一、使用须知

1．Before use

1.1 Introduction

Dear Customers：

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.

1) Please read all the information in this manual carefully.

2) To ensure the corrective and safety of installation, operation and maintenance, please install the light follow the instruction strictly.

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.

1.2 OOBA(Out Of Box Audit)

1) This series of products packed by standard carton.

2) Package details.

Related accessories showed as below exclude the light in the carton box:

附件

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.

| 名称	数量	图示
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		
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.

■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.
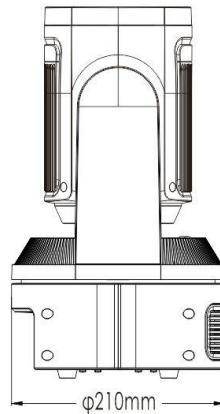
2. Products Description

2.1 Appearance

(1) Overall size
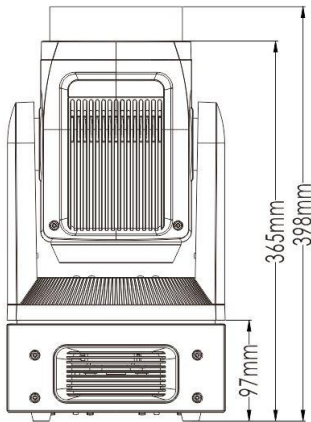
正面图   侧面图

(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.
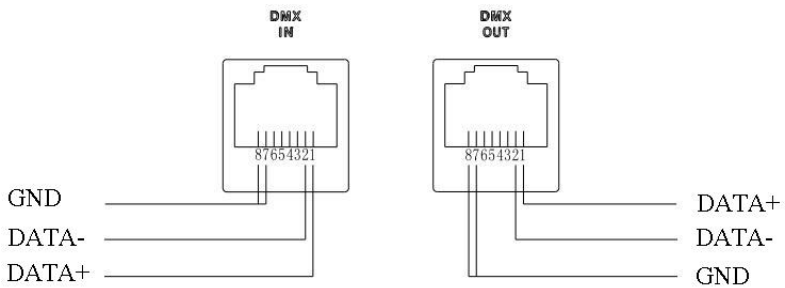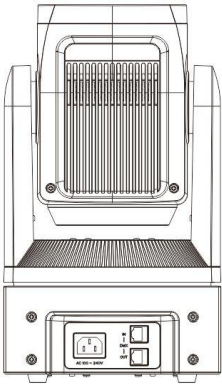
(3) Control Panel
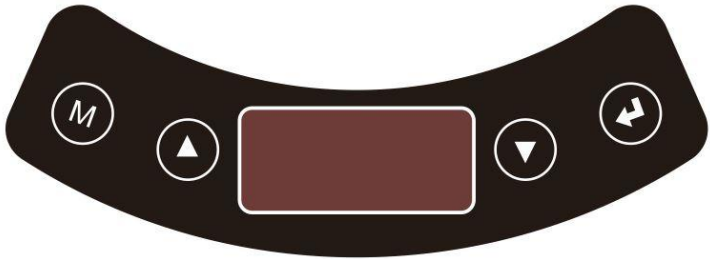
Display Panel Button Function Description	
Menu	Function Description
M	Menu selection key
▲	Up to change sub-menu or increase values
▼	Down to change sub-menu or decrease values
↵	"Enter" key for confirmation, or saving setting values.

2、Technical Parameters and Details.

Input	AC100～240V,50/60HZ
Power	160W @ 220V
Light source	140W（Max）
CTT	12000K
LED life span	About50000H
Pattern Panel	1PCS Fixed Color Panel (6 Colors).
Color disc	1PCS Color Panel ,(6 Colors + White)
Beam Angle	Pattern 15°, Wash40°Focus : Manual focus
Dimmer	0-100% adjustable
Strobing	Electronic Strobe , 0-25T/S , Adjustable Strobe Speed
Communication Signal	Standard DMX512 Signal ,RJ45 Network interface
Communication interface	RJ45 Network
DMX Channel	15CH
Control Mode	Automatic Mode , DMX Mode , Master-slave Mode ,Voice-activated Mode
Rotation Angel	Horizontal 540°, Vertical :180°

Work Environment	Indoor Used
IP rating	IP20
Size	210x210x343(mm)&298x298x350(mm)
Net weight	3.3 kg
Package	Carton
Installation Type	Recessed , Hanging(Need Reinforce Ceiling Construction)
Recessed Opening Hole Size	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 head face in the same directionas the base heat dissipation window after lamp reset
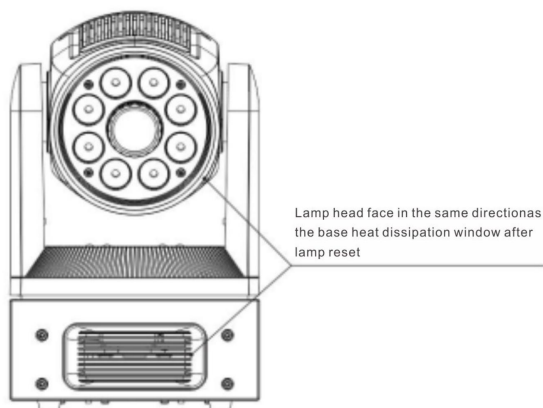
Lamp reset original status

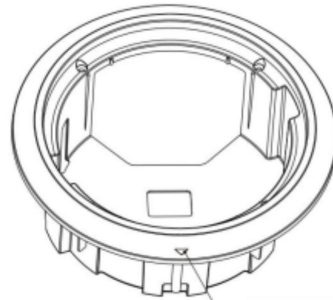As shown in the figure, after the lamp is reset, the orientation of the base heat dissipation groove on the lamp is consistent with the orientation position of the lamp head. Therefore, when installing the lamp, the orientation of the base heat dissipation groove can be used as the orientation of the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

（2）Pre-installed embedded installation bottom bo

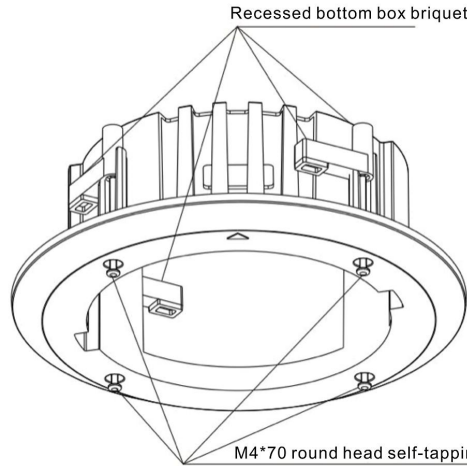|	
1. Open product installation holes on the ceiling, with the diameter of the of the openings:240mm~245mm, and prepare 4 pieces of wood of appropriate size for later use (*Can confirm whether wooden boards need to be placed according to the ceiling strength);	 天花上开产品安装孔 天花板　　加强木板
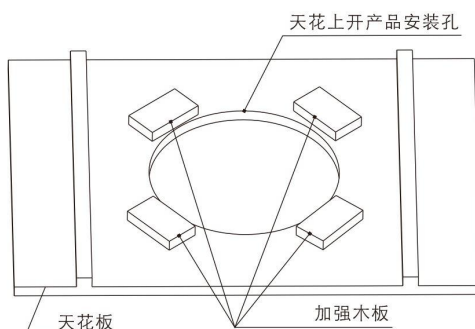
2. The triangle mark on the embedded installation base box is the reference direction of the initial orientation after the lamp head is reset;	 After the lamp is reset, the initial direction of the lamp head is marked with reference triangle
3.Use the M5*70 countersunk tap screw to pass through the embedded 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 scr

4.After determining the initial position of the product lamp head, install the embedded installation bottom box into the ceiling pre-opened hole.	 After the lamp is reset, the initial directi... the lamp head is marked with triangle
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.	 After locking the screws, the embedded bottom box presses outward and presses on the wooden board.
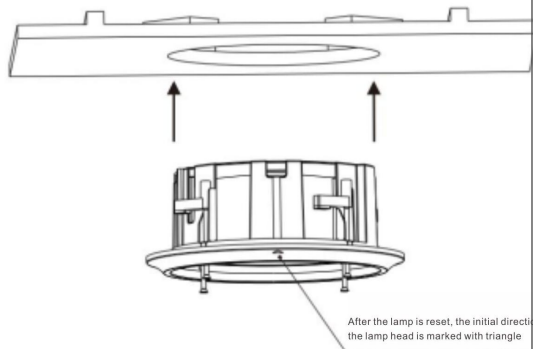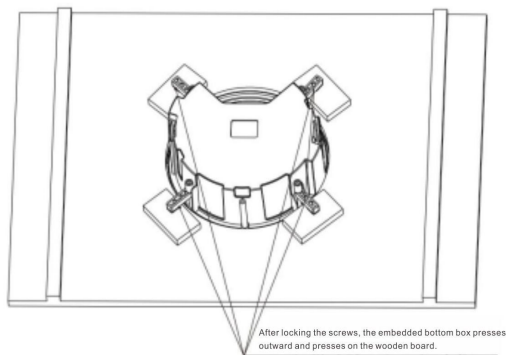
（3）Install lamps

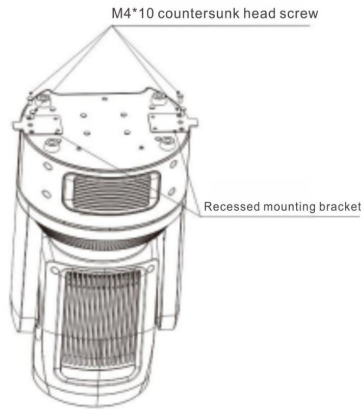|	
1. The product bottom box is installed with the embedded bracket, locked into 4 M4*10 countersunk wire screws to fix it, as shown in the figure;	M4*10 countersunk head screw Recessed mounting bracket
2. First connect the power cord and signal cord to the lamp; then adjust the direction of the lamp 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;	Ceiling stiffened board Ceiling board M4*70 flat head self-tapping screw
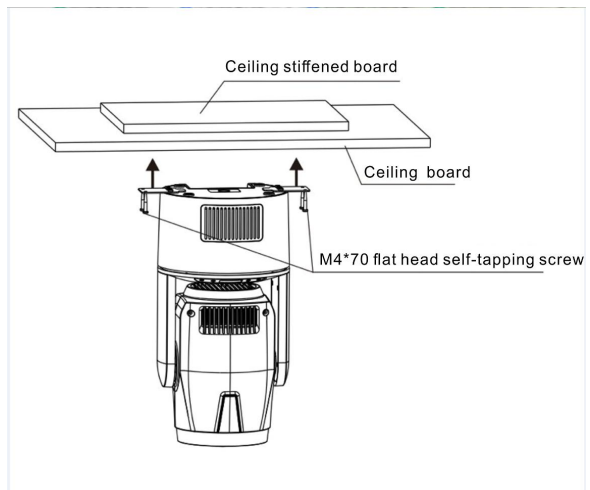
3.The effect after installation is completed, as shown in the figure;	

2、Hanging

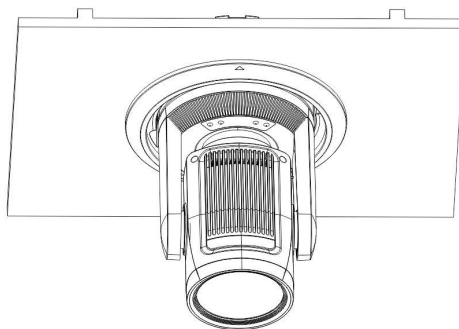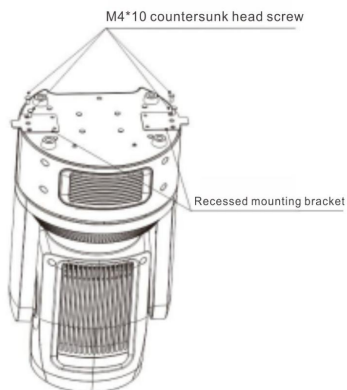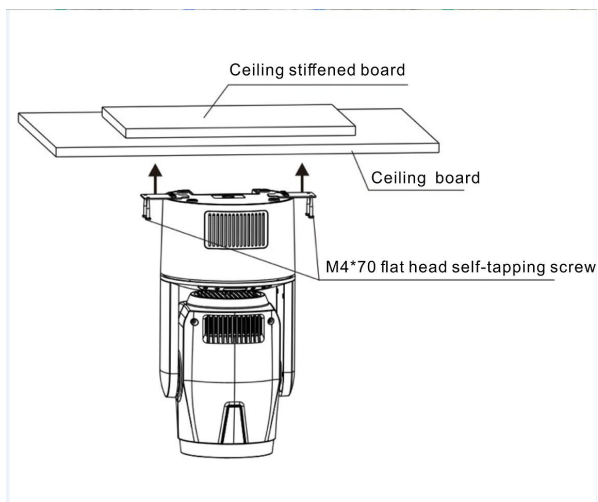|	
1.After removing the 4 foot pads at the bottom of the product, the product is installed with the embedded bracket and locked into the M4*10 sinker wire screws to fix it, as shown in the figure;	

M4*10 countersunk head screw

Recessed mounting bracket

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;	Ceiling stiffened board Ceiling board M4*70 flat head self-tapping screw
3.The effect after installation is completed, as shown in the figure;	
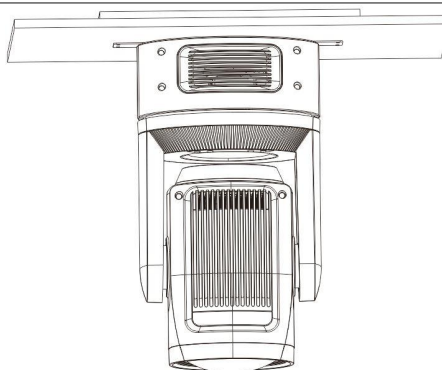
4、 Product Operation Instructions

4.1 Main menu display

Press (M) 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 (M) 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	d001~d512		Device initial address
Selection	SEt		Menu SET	Press "Enter"3 times to enter in
Reset	rESt			Reset
Factory	LoAd			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	modE	AdmX	DMX
		FASt	Auto run
		SrUn	Sound active
		crUn	Single mode

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		8Son	Master mode
		SLoU	Auto run slow
Movement	8PAn	-PAn	Pan forward move
		rPAn	Pan reverse move
	8tiL	-tiL	Tilt forward move
		rtiL	Tilt reverse move
Move angle	8PA8	PA54	Pan movement max 540°
		PA36	Pan movement max 360°
		PA18	Pan movement max 180°
	8t88	ti18	Tilt movement max 180°
		ti89	Tilt movement max 90°
Display direction	8d8S	-d8S	Forward display
		rd8S	Reverse display

（3）DMX Channel function description

通道	名称	数值	说明
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 (Gobo)	0-255	Brightness auto dark to bright
7	Strobing(Gobo)	0	None
		1-255	Slow to fast
8	All Strobing （Wash）	0-255	Brightness auto dark to bright
9	Strobing(Wash)	0	None
		1-255	Strobing auto slow to fast
10	Red （Wash）	0-255	Brightness auto dark to bright
11	Green （Wash）	0-255	Brightness auto dark to bright
12	Blue(Wash)	0-255	Brightness auto dark to bright
13	White （Wash）	0-255	Brightness auto dark to bright

14	Color disc	0-9	Color 1（White）
		10-19	Color 2（Sky blue）
		20-29	Color 3（Rose red）
		30-39	Color 4（Green）
		40-49	Color 5（Blue）
		50-59	Color 6（Yellow）
		60-69	Color 7（Red）
		70-79	Half color 1（White/Sky blue）
		80-89	Half color 2（Sky blue/Rose red）
		90-99	Half color 3（Rose red/Green）
		100-109	Half color 4（Green/Blue）
		110-119	Half color 5（Blue/Yellow）
		120-129	Half color 6（Yellow/Red）
		130-255	Color change auto change from slow to fast
15	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 1 (shake)
		80-89	Gobo 2 (shake)
		90-99	Gobo 3 (shake)
		100-109	Gobo 4 (shake)
		110-119	Gobo 5 (shake)
		120-129	Gobo 6 (shake)
		130-139	Gobo 7 (shake)
		140-255	Gobo change auto change from slow to fast

16	Automatic Mode	0-9	None
		10-29	Auto1
		30-49	Auto2
		50-69	Auto3
		70-89	Auto4
		90-109	Auto5
		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.