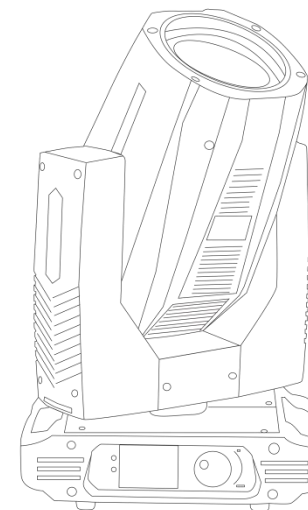


CH13	1 prism rotation	0	stop
		1-127	From fast to slow to forward flowing water
		128-255	Reverse flow from slow to fast
CH14	grand	0-255	
CH15	focus	0-255	From far to near
CH16	various colorful	0-127	without
		128-255	various colorful
CH17	reset	100-105	Turn off the light cannon for more than 5 seconds.
		200-205	Light gun for more than 5 seconds
		255	Reset for more than 5 seconds

12R BEAM MOVE HEAD LIGHT[1B]

USER MANUAL



JIA-J496

JIA LIGHTING

Please read over this manual before operation the light

1.4 product introduction

- Bulb: Philips MSD Platinum 12R or YODN 12R (life: 2200 hours color temperature: 8000 K);
- Horizontal scanning: 540 (16 bit precision scanning) electronic error correction;
- Vertical scanning: 270° (16bit precision scanning) electronic error correction;
- Color wheel: one color wheel, each color wheel consists of 14 color chips;
- Pattern plate: 14pattern effects;
- Effect wheel: 8+48prism
- 0-100% mechanical dimming, supporting mechanical strobe and adjustable strobe effect, and supporting strobe macro function;
- Lens group optical system, electric focusing, beam angle 0 ~ 4°;
- Overheating protection;
- Power supply: 100-240V, 50/60 Hz;
- Power: 450W; ;
- IP protection level: IP20; ;
- Inductive ballast and AC/DC switching power supply;
- Size: 523 (length)× 337 (width)× 511 (height) mm;
- Carton size: 515X440X725; ;
- Net weight: 19.5KG; ;
-

		191-195	Slow to fast jitters pattern 1
		196-200	Slow to fast jitters pattern 2
		201-205	Slow to fast jitters pattern 3
		206-210	Slow to fast jitters pattern 4
		211-215	Slow to fast jitters pattern 5
		216-220	Slow to fast jitters pattern 6
		221-225	Slow to fast jitters pattern 7
		226-230	Slow to fast jitters pattern 8
		321-235	Slow to fast jitters pattern 9
		236-240	Slow to fast jitters pattern 10
		241-245	Slow to fast jitters pattern 11
		246-250	Slow to fast jitters pattern 12
		251-255	Slow to fast jitters pattern 13
CH11	Effect pattern	0-10	white light
		11-63	Slow-to-fast effect flowing water 1
		64-127	Slow-to-fast effect flowing water 2
		128-191	Slow-to-fast effect flowing water 3
		192-255	Slow-to-fast effect flowing water 4
CH12	1 prism	0-63	Remove prism
		64-127	1 prism
		128-191	2 prism
		192-255	1prism+ 2prism

	125-129	Color 12+color 13
	130-134	Color 13
	135-139	Color 13+white light
	140-199	From fast to slow to forward flowing water
	200--255	Reverse flow from slow to fast
CH10 pattern	0-4	white light
	5-9	1 pattern
	10-14	2 pattern
	15-19	Pattern 3
	20-24	Pattern 4
	25-29	5 pattern
	30-34	Pattern 6
	35-39	7 pattern
	40-44	8 pattern
	45-49	Pattern 9
	50-54	Pattern 10
	55-59	Pattern 11
	60-64	Pattern 12
	65-69	Pattern 13
	70-125	From fast to slow to forward flowing water
126-130	stop	
131-190	Reverse flow from slow to fast	

Chapter 2 Panel operation

2.1 Brief

The light panel diagram show as [错误!未找到引用源。](#), Left area is TFT Display, support touch, and right area is KEY, both of touch and KEY can operate light and setting. Display & operation just like 'Android operation system', touch the item will set or modify setting.

Note: Prevent damage the touch or TFT displayer, Can not use sharp objects chik displayer.

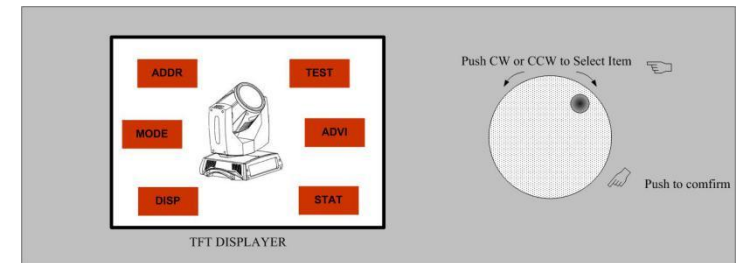


Figure 1 Panel diagram

2.2 Operation

2.2.1 Operate light with touch or KEY

- The left area is TFT Display and touch, chik item or value with finger will to complete operation of set light setting(parameters) or view light state.
- The area on the right hand side is 4 KEY, As auxiliary input interface, if disable touch function,, the KEYr can been choose to set the parameter.

- 2.2.2 Parameter value setting

When the selected item is value need to been modified, the dialog shown in 错误!未找到引用源。 will popup.

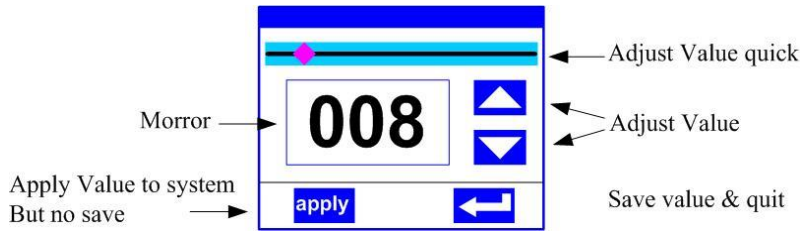


Figure 2 Dialog of value setting

- **Modify value:** Can quickly modify value via pull the slider to the desired position, or click the button of 'up' or 'down' whit finger on the right side to set the exact desired value, another way is roll encoder on the right hand side of panel.
- **Apply value:** When Value had been modified, Then press the bottom of 'apply' in the left corner to apply to the light, but hav't saved;
- **Save Value :** Any time, click on the lower right corner of the "OK" button, the setting will been saved into internal memory.

- 2.2.3 Boolean parameter setting

- when the selected parameters is a Boolean value (such as ON or OFF), can directly modify setting by chick corresponding item, the setting will been saved right now.
- When the parameter is a key item, chick corresponding item, a dialog shown in 错误!未找到引用源。 will been popup ask for the confirm. Chick 'sure' to confirm.

CH9 colour	0-4	white light
	5-9	White light+color 1
	10-14	Color 1
	15-19	Color 1+color 2
	20-24	Color 2
	25-29	Color 2+color 3
	30-34	Color 3
	35-39	Color 3+color 4
	40-44	Color 4
	45-49	Color 4+color 5
	50-54	Color 5
	55-59	Color 5+color 6
	60-64	Color 6
	65-69	Color 6+color 7
	70-74	Color 7
75-79	Color 7+color 8	
80-84	Color 8	
85-89	Color 8+color 9	
90-94	Color 9	
95-99	Color 9+color 10	
100-104	Color 10	
105-109	Color 10+color 11	
110-114	Color 11	
115-119	Color 11+color 12	
120-124	Color 12	

4. 17Channel table

passage	name	numerical value	describe
CH1	X axis	0-255	0-540 degrees
CH2	Y axis	0-255	0-270 degrees
CH3	X axis fine adjustment	0-255	0-2 degrees
CH4	Y-axis fine adjustment	0-255	0-1 degree
CH5	XY speed	0-255	From fast to slow
CH6	atomize	0-127	without
		128-255	Insert atomization
CH7	stroboscopic	0-3	close
		4-103	Slow to fast pulse stroboscopic
		104-107	consecrate
		108-207	Variable frequency flash from slow to fast
		208-212	consecrate
		213-251	Random strobe from slow to fast
CH8	aiming	252-255	consecrate
		0-255	0-100% dimming

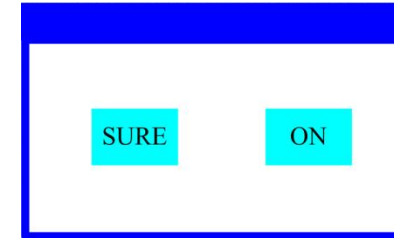


Figure 3 Dialog of confirm

2.2.4 Sub Menu (Parameter)

Click item of main menu, enter corresponding sub menu, shown in 错误!未找到引用源。 , total 6 sub menu, includes class of parameter and status:

- ADDRESS: Set light DMX address.
- WORKMOD: Set light work mode, master or slave mode when in auto run mode.
- DISPLAY: Set display parameter, eg. select language.
- TEST: Used for test light, modify DMX channel data to test function, the corresponding function of reference channel function table.
- ADVANCE: Set light running parameter.
- STATUS: view light current status.



Figure 4 Parameter menu

2.3 Operation and parameter instruction

Via following operation, enter sub menu(parameter menu) shown in [错误!未找到引用源。](#)

- In main menu, click 1/6 function button into corresponding parameter menu.
- In sub menu(page), click main item on the left side of display, can shift to corresponding sub menu(page) quickly.

2.3.1 ADDR--> Address: Set DMX Address

Click and select the "ADDR", can enter the page of DMX address setting, range from 1 to 512, the address code shouldn't be not greater than (512- channels quantity), otherwise the light will not be controlled. Following is the operation:

Enter the page of DMX address, as shown in [错误!未找到引用源。](#), click the blank area in right side of display will pop-up dialog as in Fig. 4, modify value, then click 'ENTER' to confirm and save DMX address code

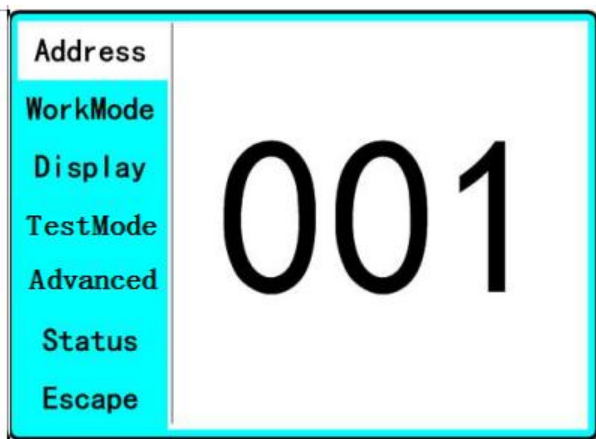


Figure 5 page of DMX Address

Data hold:

OFF--> When no DMX signal, return to middle position. **(Default)**

ON--> When no DMX signal, stop in the final position.

- ◆ **Factory Setting:** Restore all parameter to factory setting.

2.3.6 STAT-->Status: View status

Enter the page as shown in [错误!未找到引用源。](#)

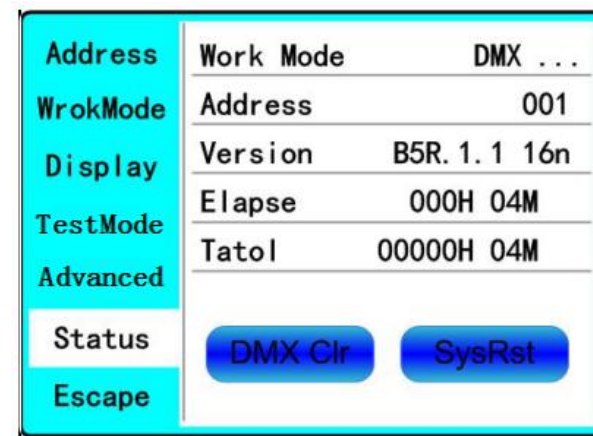


Figure 6 page of status

- ◆ **Work Mode:** Show the current working mode.
- ◆ **Address:** Show the current address.
- ◆ **Version:** Show the version of the lamp.
- ◆ **Elapse:** Working hours after turn on.
- ◆ **Tatol:** Cumulative hours of operation

2.3.5 ADVA-->Advanced: Set light run parameter

Enter the page as shown in [错误!未找到引用源。](#), set the parameter of light:

Address	PAN Inset	OFF
WorkMode	TILT Inset	OFF
Display	P/T Rectify	ON
TestMode	PAN Offset	010
	TILT Offset	010
Advanced	Lamp when	Power ON
Status	Data hold	OFF
Escape	Factory Setting	

Figure 7 page of run parameter

- ◆ **Pan Invert: Reverse PAN move**
 OFF--> Pan Normal move.(Default)
 ON--> Reverse PAN move.
- ◆ **Tilt Invert: Reverse TILT move**
 OFF--> Tilt Normal move.(Default)
 ON--> Reverse Tilt move.
- ◆ **P/T Rectify: Disable or enable position rectify function.**
 OFF--> Disable P/T rectify
 ON--> Enable P/T rectify-(Default)
- ◆ **Pan Offset:** Set PAN original position. **Default: 10**
- ◆ **Tilt Offset:** Set TILT original position. **Default: 10**
- ◆ **Lamp when:**
 PowerON--> Turn on the lamp when power on.(Default)
 RstDone--> Turn on the lamp after reset.
 Manual--> Manually turn on the lamp.

2.3.2 MODE--> WorkMode: Set Light work mode

Enter the page of 'WorkMode' as shown in [Figure 8](#) and modify setting. Can set light work mode, control lamp and DMX channel mode.

Address	DMX Ctrl	✓
WorkMode	Auto Run	
Display	Sound Ctrl	
TestMode	M/S choose	OFF
Advanced	Light Switch	OFF
Status	Channel Qty	sample
Escape		

Figure 8 page of work mode

- ◆ **DMX Ctrl:** Choose to set DMX Mode,
- ◆ **Auto Run:** Choose to set Auto Mode,
- ◆ **Sound Ctrl:** Choose to set Sound Mode,
- ◆ **M/S Choose:** Available just in 'AUTO RUN' or 'SOUND Ctrl' mode.
 ON--> Master. (Data will be send to other slave lamp immediately.)
 OFF--> Slaver.(NOT send data to other lamp via DMX Cable).(Default)
- ◆ **Light Switch:**
 ON--> Turn on the light,
 OFF--> Turn off the light.
- ◆ **Channel Qty:** Light support 2 DMX Channel mode: sample or extend。
 Simple --> 16CH.(Default)
 Expand--> 20CH(or null).

2.3.3 DISP-->DISPLAY: Set display

Light support 2 language, rotation display, Enter page as shown in [Figure9](#) to set parameter following:parameter following

Address	语言	English
WorkMode	Screen saver	Mode3
Display	Screen rotation	OFF
TestMode	Touch Enable	ON
Advanced	Touch Rectify	
Status		
Escape		

Figure9 page of display

◆ **Language:** English / 中文.

◆ **Screen Saver:** when panel is idle(these is no operation in 10 second), displayer will enter saver status.

OFF--> No screen saver.

Mode1--> Power-saving mode, turn off the display.

Mode2--> Displays the current address.

Mode3--> Displays the icon and the current working mode.(Default)

◆ **Screen Rotion: To turning display.**

ON--> Normal display.(Default)

OFF--> 180° turning display.

◆ **Touch enable:** Disable or enable touch function,.

ON--> Enable touch function.(Default)

OFF--> Dosable touch function.

◆ **Touch adjust:** Adjust touch function. Normally, not enter this item.

2.3.4 TEST--> TestMode

Enter the page as shown in 错误!未找到引用源。 , Light will into test mode, in this mode, the light does not receive the data for DMX controller.

Address	PAN	000
WorkMode	TILT	000
Display	FOCUS	000
TestMode	COLOR	000
	GOBO	000
Advanced	PRISM	000
Status	FROST	000
Escape	STROBE	000

Figure 10 page of Test

◆ **PAN:** range for 0 to 255;

◆ **TILT:** range for 0 to 255;

◆ **FOCUS:** range for 0 to 255;

◆ **COLOR:** range for 0 to 255;

◆ **GOBO:** range for 0 to 255;

◆ **PRISM:** range for 0 to 255;

◆ **FROST:** range for 0 to 255;;

◆ **STROBE:** range for 0 to 255;