

# Use Manual



**Model:WKF-2500A**

 **WECAN SCIENCE TECHNOLOGY LIGHTING CO.,LTD**

[HTTP://WWW.WECANLIGHT.COM](http://www.wecanlight.com)

■ **TECHNICAL SPECIFICATIONS**

Voltage:200-240/50-60HZ

Lamp:2500w

Control signal:DMX512 international standard signal

Nuber of channels:4

Packing size:projector1540×470×330(mm)

Control handle:395×325×235(mm)

Weight:63KG

**CHANNEL:**

Ch1 Zoom in and Zoom out	0								255
	Form Wide To Narrow								
Ch2 Color Wheel	0-24	25-49	50-74	75-99	100-124	125-149	150-174	175-199	200-255
	Open	Color1	Color2	Color3	Color4	Color5	Color6	Color7	Clockwise Rotate/Slow-Fast
Ch3 Color Temperature	0-199				200-255				
	Warm Color6000°K				COOL Color3500°K				
Ch3 Gobo Rotation	0-63	0-119			120-231		232-255		
	Self Rotation0-360°	Colockwise Rotate/Slow-Fast/360°			Anti-Clockwise Ratate/Slow-Fast/360°		Anti-Clockwise Ratate/ Slow-Fast		
Ch4 Flash	0-7	8-231						232-255	
	OFF	Flash /1-11HZ/Slow-Fast						ON/Self-Inspect and Reposition after 5 seconds	

■ **FUNCTIONS**

- ★ The adoption of light alloy and pressed-steel plate in the design of the combinative appearance gives the product an elegant appearance. Campout structure and excellent heat
- ★chipsets for astronautics are adopted in the design of the electronically controlled circuits. rendering the system interference Resistant. Stable and reliable.color Safety standard compatible. IP20 protection level. and CE20/22 Grade III standard compatible for the power cord.

- ★ Quick accurate stable and noiseless color switching system. free of The problems in mechanical color switch.
- ★ Embedded with overheat protection and high voltage line protection.
- ★ Light beam angle:15°projection distance 50M.
- ★ 3axles flow fans for cooling optimized internal air duct design. Sufficient heat emission.
- ★ BASIC channel functions:
  - ⊙ 2-colorwheel.able to createup to 20coloro mbination.
  - ⊙ Rainbow effects.
  - ⊙ Electronic linear stepless light adjustment.
  - ⊙ Integrated flash. light adjustment and switching design.

■ **INSTALLATION TIPS:**

- ⊙ *Safety inspection:*after unpack fasteners ing. check the mechanicalControl handle and the crust first. if any loose, fallout or damage in transit and wrench tight or repair without delay.
- ⊙ *Installation and removal of lamps:* Make sure the Power is cut and the lamps are cooled before the operation.You just unscrew the lamp slightly. No Other parts need to be removed.when replacing the lampm, keep the fume cock upward and do not touch the lamp globe.the lamp shall be firmly planted to avoid bad connection and damage to the circuit.
- ⊙ *Communication connection:* The insulation resistance of all the Installation equipment sand the electrical lines shall be up the safety standard and the machine crust shall be well grounded . The Communication lines shall be connected in series. If the Communication lines have to be extended, the male and female cannon connectors shall match well and shall be well welded.
- ⊙ *Address code and function code setting:* The projectors shall be Set with address identification code and function code to receive Control from the controller.

◎ Formula for address code setting:(for projector1, “1”is set for ON)The equivalent address code value summation of the current Projector = the equivalent address code value summation of the previous projector+the number of basic channels of the computer controller.

◎ *Power up*: Make sure the power supply is sufficient for the power consumption of the lamps before power-up. Otherwise, the power lines and the projectors might be damaged.

#### ■ **ATTENTIONS FOR USE**

◎ *Power on /off*: The gasdis charge lamps(e.g HMI1200W) Shall not be used in an on-and-off manner, Each time the lamps are turned off, the lamps shall be cooled for at least20 minutes before the lamps are turned on again. Otherwise. High voltage discharge short circuit or interference to periphery equipments might arise.

◎ *Operation experience*:Power the projectors before the controller. All the projectors in the same communication lines should be powered Up in 5-10 seconds. Otherwise. the last poweration of the anterior projectors .

◎ FIRE WARNING: Flammables such as paper pieces are not allowed to fall in the lamps or the air duct. Otherwise, the high temperature lamps in the lamps might cause fire. In case of unusual smell or take fire .turn off the power immediately and have the case properly handled before turning on the last as again.

#### ■ **DAY-TO DAY MAINTENANCE**

◎ Clean the machine; lens; machine interior and the computer board regularly.

◎ Fasten the screws and nuts in the hoisting parts and the racks regularly.

◎ Check the moving motor lines and heavy curren lines regularly to prevent open circuit and degradation.

◎ Replace lamps according to the actual situation. Do not use inferior quality

lamps.

#### ■ **TROUBLE SHOOTING**

◆ *The lamp does not work*:

- Check whether the power supplied is 220vac and whether the fuse is burnout.
- The lamp is not cool enough ,Let it cooled down or power the fan to blow at it.
- The lamp is in over heat protection status due to high Interior temperature.Check whether the fan and the air duct are blocked.
- Inferior or aged lamp.replace the lamp or add ignition coils to aid the ignition .
- Igniter degradation or poor contact.replace according to the original circuit.
- Ballast damaged.

#### ■ **The motor does not work or works out of step**

- ◆ Check whether the power supplied is 220VAC and whether the fuse is blown.
- ◆ Check whether the motor lines or commecting lines are degraded or broken.
- ◆ Check whether the small flange screws for mechanical fastening is loose and out of catch,and whether foreign argicles exist.  
.Check hether the sockets and IC elements on the computer board are loose ,poor in contat, ged or blown.

◎ *The communication is out of control*

1. Wrong connection of communication lines, unwelded, Loose or short circuit.
2. Incorrect address code setting.
3. Communication IC on computer board broken under high voltage .
4. Signal attenuated over excessive long communication line.add a serial isgnal amplifier to the communication line and a parallel 1w/120OHM terminator to pin 2and pin3 of the last projector cannon connector.
5. signal or voltage interference from periphery equipments.

6. control equipment damaged or incompatible signal.

■ **USE THE CONTROL-PANEL GIVEN BY FACTORY COMMETION METHOD:**

◎ First, fit the control-handle device on bonth sided of the move light.and immobilize it.and insert the panel plug (power+signal)in the corres ponding socket of back plate of the light.then can operate the connecting machine communication.

◎If use outer DMX512 controller.must pulled out plug at first.

■ **CX-5(14Channels)Controller projector address Code setting method**

I.Projector1:address code(1=ON)

II.Projector2:address code(1.2.3.4=ON)

III.Projector3:address code(1.3.4.5=ON)

IV.Projector3:address code(1.3.4.5=ON)

V. Projector4:address code(1.2.4.6=ON)

VI.Projector5:address code(1.4.5.6=ON)

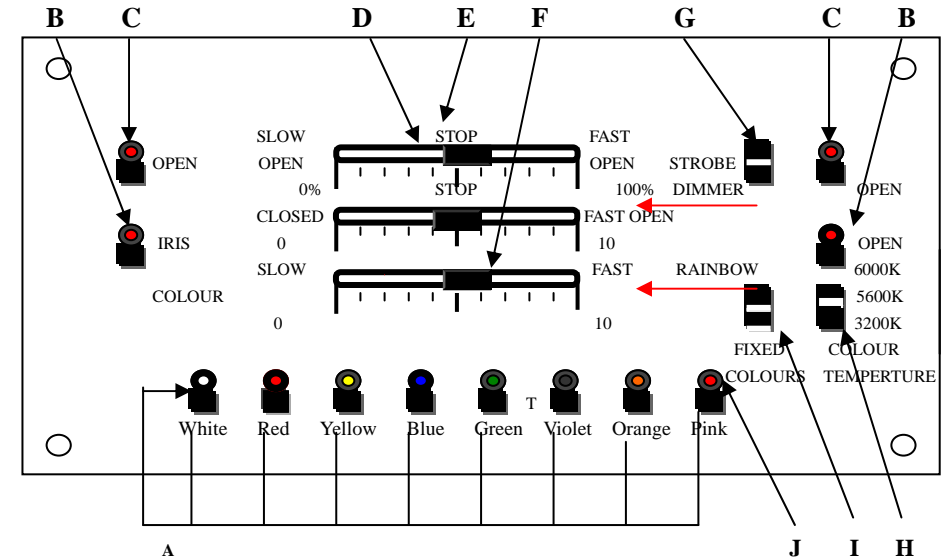
VII.Projector6:address code(1.2.3.7=ON)

VIII.Projector7:address code(1.3.5.7=ON)

IX.Projector8:address code(1.2.6.7=ON)

Light number	Setup address		
	AUROTAR 216moodel	CONTROLLER 168moodel	DMX 192moodel
1	1	1	1
2	13 (1+12)	15 (1+14)	17 (1+16)
3	25 (1+12+12)	29 (1+14+14)	33 (1+16+16)
4	37 (1+12+12+12)	43 (1+14+14+14)	49 (1+16+16+16)
5	49(1+12+12+12+12)	57(1+14+14+14+14)	65(1+16+16+16+16)
.....	.....	.....	.....
N	N=216÷12=18	N=168÷14=12	N=192÷16=12

■ **PANEL SKETCH MAP OF THE BUTTON**



- A. When the button is in FIXEE COLOURS position , 8colors are a tivated under the control of 8 round luttuns.
- B. Aperrure size switch(to change the aperture size to the maximum and the minimum).
- C. Lens hood (door)to switch between shutting off and letting in light.
- D. Flash speed or light spot lightness adjustment potentiometer.its function status is related tokey G.
- E. Aperture(spot)size adjustment potemtrometer.
- F. Color adjustment potentiometer.when key I is in positon RAINBOW,the continuous color change and speed is subject to the control of this potentiometer.
- G. Flash status and light adjustment staus switch.
- H. Color temperature switch.when it is in a status other than 5600K,the two round coler buttons of ORANGE and D,BLUE are deactivated.
- I. Continuous color change speed adjustment/skip-over to the next color switch.
- J. Color change indicator.