



**PRO
LUX**



ARC 4418IP

Please keep reading this manual carefully for further use!

USER MANUAL

1. PRECAUTIONS AND INSTALLATION PRECAUTIONS AND INSTALLATION

DECLARE

Thank you for choosing our company's products! When this product is out of the factory, its performance is intact and the packaging is complete. In order for you to use this product safely and effectively, please read this user manual carefully and completely before using it. This manual contains important information about installation and use. Please install and operate it according to the requirements of the manual. At the same time, please keep it properly so that you can use it at any time. Our company does not bear all responsibility for damaging lamps or other performance due to individuals not operating in accordance with the instructions during installation, use and maintenance. This manual is subject to technical changes without prior notice.

MAINTENANCE

- Please disconnect the power supply before maintenance.
- This lamp should be kept dry to avoid working in a humid environment.
- Intermittent use will effectively extend the life of this lamp.
- In order to get a good ventilation effect and lighting effect, pay attention to cleaning fans, fan nets and lenses frequently.
- Do not wipe the lamp shell with organic solvents such as alcohol to avoid damage.

PRODUCT PRECAUTIONS

- This lamp is only for professionals.
- Before operation, ensure that the power supply

voltage is consistent with the required power supply voltage of the equipment.

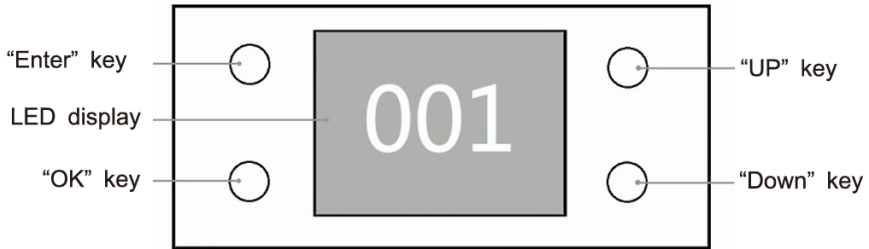
- Do not place this product in a loose or vibrating place.
- During use, if the lamp is abnormal, you should stop using the lamp in time.
- For to ensure the service life of the product, this product must not be placed in a wet or leaking place, let alone work in an environment with a temperature above 60 degrees.
- When the light bulb is used, the change of power supply voltage should not exceed $\pm 10\%$, if
- the voltage is too high, it will shorten the life of the bulb. If the voltage is too low, it will affect the light color of the bulb.
- After the power is cut off, it will take 20 minutes to use the lamp to fully cool down before it can be powered on again.
- The rotating parts of the lamp and the pasting accessories must be checked regularly to loosen and strengthen in time to prevent accidents.
- In order to ensure the normal use of this product, please read this note carefully.

2. PRODUCT INTRODUCTION

- Voltage: AC100-240V 50/60HZ
- Lamp beads: 44PCS 6in1 LED lamp beads
- Control mode: DMX512, self-propelled, master-slave, with RDM function.
- Channel: CH1, CH6
- Dimming: 32bit 0-100% linear dimming
- Features: Dyeing, background
- Operating temperature: -30 degrees to 50 degrees
- Strobe frequency: 1-25HZ
- Appearance: metal, black
- Connection method: DMX512 input and output / power input and output.
- IP Level: IP65

CONTROL PANEL

Key instructions



To brighten the screen, you need to enter the password:
Up, Up, Down and Down keys to enter
30 seconds lock screen without operation
Enter Key: Back to the previous interface
Up, Down Key: Select, Edit
OK key (i. e. "OK" key): perform functions,
start editing, exit editing

The following "Modify DMX address code" For example, talk about the use of keys:

1. If it is not currently the main interface, press "Return" Keys (one or more) can return to the main interface
2. Under the main interface, press "Up" Key or "Low position or rank" Key selection "Set up" Button
3. Press "Certain" Key, enter "Set up" Interface
4. In "Set up" Under the interface, press "Up" Key or "Low position or rank" Key selection "DMX address"
5. Press "Certain" Key to enter the editing state
6. Press "Up" Key or "Low position or rank" Key to modify the DMX address code
7. Press "Certain" Key to exit the editing status

MENU DESCRIPTION



Figure 4 Schematic diagram of the main menu

SET UP

Be an option	Explain	
DMX address	1-512	Push down “Certain” Key to enter the editing state, Push down “Up” “Low position or rank” Key to change the address code. Press again. “Certain” Metal bolt Save and Exit the editing state
Passageway	11 CH	11 Channel mode
	6 CH	6 Channel mode
Be in motion	DMX	Slave status: receive DMX signals from the console or host
	Self-propelled1	Host status: self-propelled and send DMX signal to the slave
	Self-propelled2	
	Self-propelled3	
DMXsignal	Maintain	Stay atOriginal state
	Reset	Clear state
Dimming mode	Mode 11	
	Mode 12	
	Mode 13	

Dimming curve	Curve 1	
	Curve 2	
	Curve 3	
	Curve 4	
Dimming frequency	600 Hz	
	1200 Hz	
	2000 Hz	
	4000 Hz	
	6000 Hz	
	25 kHz	
Language	English	Set to English interface
	Chinese	Set to CentreText interface
Show	Forward	The display is facing forward
	Go in the opposite direction	Reverse display
Badly-lit	30 seconds	Black screen after 30 seconds
	Open	Turn on the black screen
Lock screen time	15 seconds	The display in not operated, and the screen is locked after 15 seconds
	30 seconds	The display in not operated, and the screen is locked after 30 seconds
Temperature unit	C	Celsius
	F	Fahrenheit
Restore the default settings	Open	Push down «certain» after the key, you can see the confirmation dialog box and press it again. «Certain» the key is to restore the default settings
	Close	

MANUAL CONTROL

This interface is used to control the current lamp (not receiving DMX signals) and the corresponding channel. For details, please refer to the channel table

Be an option	Explain	
1 CH. Dimming	O-255	Push down "Certain" The key enters the editing state. At this time, 100 people are selected, press "Up" "Low position or rank" The key changes the channel value. Press again. "Certain" Key to select ten edits. Press again. "Certain" Key to select a single bit to edit. Press again to exit the editing status.
3 CH Strobe	O-255	
2 CH. Red	O-255	
4 CH Green	O-255	
5 CH Blue	O-255	
6 CH White	O-255	
7 CH Amber	O-255	
8 CH Purple	O-255	
9 CH Color temperature	O-255	
10 CH Macro function	O-255	
11 CH Macro function speed	O-255	

INFORMATION

Be an option	Explain	
Ver	YO.001	Software version
DIS	VO.001	Display board Software version
Mode	ST-446FST	Lamp model
System error		System error information
LED temperature		units determined by Temperature Units in the settings menu

HIGH-LEVEL

Electric current	Red (R)	O-255 Adjust Electric current
	Green (G)	
	Blue (B)	
	White (W)	
	Amber(A)	
	Purple(U)	
	Renew	Transfer current data to the slave

3. CHANNEL FUNCTION

CHANNEL TABLE

CH	9 Channel mode	4 Channel mode
1	Dimming	Red
2	Strobe	Green
3	Red	Blue
4	Green	White
5	Blue	Amber
6	White	Purple
7	Amber	
8	Purple	
9	Color temperature	
10	Macro function	
11	Macro function speed	

CHANNEL PARAMETERS:

CH		Function	Channel value	Result
11 CH	6 CH			
		Dimming	000-255	From dark to bright
2		Strobe	000-003	Consecrate
			004-103	Strobe, from slow to fast
			104-107	Consecrate
			108-207	Pulsed strobe
			208-212	Consecrate
			213-252	Random flash
			253-255	Consecrate
3		Red	000-255	From dark to bright
4	2	Green	000-255	From dark to bright
5	3	Blue	000-255	From dark to bright
6	4	White	000-255	From dark to bright
7	5	Amber	000-255	From dark to bright
8	6	Purple	000-255	From dark to bright

9		Color temperature	000-009	Be invalid
			010-255	Color temperature selection
10		Macro function	0-10	Be invalid
			10-50	Color selection:11th channel color selection
			51-100	Pulse change:11th channel control speed
			101-150	Jump:11th channel control speed
			151-255	Gradient:11th channel control speed
11		Macro function speed	5-255	The function of this channel depends on the value of the 10th channel: When the 10th channel is 51-100, this channel is used to select colors (see"Color selection table") When the 10th channel is 101-250 (pulsation, jump, gradient), the control speed of this channel: 0 is the slowest, 255 is the fastest

COLOR SELECTION TABLE

Value	Function declaration
0-30	R progressively increase / G 0% / B 0% / W 0% / A 0% / UV 0%
31-50	R 100% / G progressively increase / B 0% / W 0% / A 0% / UV 0%
51-70	R degression / G 100% / B 0% / W 0% / A 0% / UV 0%
71-90	R 0% / G 100% / B progressively increase / W 0% / A 0% / UV 0%
91-110	R 0% / G degression / B 100% / W 0% / A 0% / UV 0%
111-130	R progressively increase / G 0% / B 100% / W 0% / A 0% / UV 0%

131-150	R 100% / G0% / B depression / W 0% / A 0% / UV 0%
151-170	R 100% / G progressively increase / B progressively increase / W
171-190	R depression / G depression / B 100% / W 0% / A 0% / UV 0%
191-200	R 100% / G 100% / B 100% / W 100% / A 100% / UV100%
201-205	R255 G192 B118 W0 AO UVO
206-210	R255 G198 B130 W50 AO UVO
211-215	R255 G217 B171 W80 AO UVO
216-220	R255 G229 B200 W120 AO UVO
221-225	R255 G238 B227 W150 AO UVO
226-230	R255 G243 B234 W180 AO UVO
231-235	R255 G249 B251 W200 AO UVO
236-240	R243 G243 B255 W220 AO UVO
241-245	R229 G233 B255 W230 AO UVO
246-250	R220 G229 B255 W230 AO UVO
251-255	R207 G217 B255 W250 AO UVO

4. COMMON FAULT

For some common faults, the corresponding solutions are proposed. Any problems that cannot be resolved should be handled by the professionals. Disconnect the power supply before maintaining the lamp.

LIGHTING IS NOT BRIGHT

- Check whether the voltage matching with the lamp is installed;
- Check whether the power supply connection or control switch of the lamp is in bad contact;
- Check whether the power supply is insufficient;
- Check that the DMX512 controller has sent the instructions.

THE CONTROL OF THE CONSOLE IS NOT ACCEPTED AFTER THE LAMP IS NORMALLY RESET

- Check whether the lamp digital startup address value and function options are correct;
- Check whether the connection of the communication control line is correct, whether the communication line is too long or has been interrupted;
- Check whether the control equipment is invalid, and check whether the serial connected signal amplifier is invalid;
- Check whether the communication line is too long or any other equipment interferes with each other;
- Optimize the wiring, shorten the length of the control signal line, high voltage and low voltage line wiring separately;
- Add a signal amplifier;
- The signal line adopts high-quality shielding twisted-pair line;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

THE LAMPS CANNOT BE STARTED

- Check whether the power supply parameters are consistent with the lamps;
- Check the lamp due to extrusion deformation, vibration of internal parts, damp and other reasons Or fall off.
- Please check whether the wire product connector inside the lamp is falling off and loose.
- Check whether the electronic components (such as electronic transformer, PCB board, motor control board, etc.) are loose, short circuit and burned out.