



## 1、 Display panel and key definition



Menu key: Enter / return to the main menu

Up key: menu function up selection / parameter increment

Down key: menu function down selection / parameter decrement

Confirm key: select the menu function, confirm and save when the menu function parameters are modified.

## 二、 Menu functions

After the whole machine is reset after power on, press the menu key to enter the main menu (the main menu interface will exit after 30 seconds without operation). See the main menu menu function table for details (a total of 5 main menu options); Press the up or down key to select the main menu, and press the OK key to enter and modify the functional parameters of each menu,

After modification, press the OK key to save the current function parameters (with power down memory after saving).

Main menu	Submenu	Menu function description
1、 System settings	1. DMX address	Modify the DMX address code up or down (the optional range of address code is 001-512), press the OK key to save, and the default is 001.
	2. Encoder	Modify the encoder on / off up or down, press the OK key to save, and it is on by default.
	3. X reversal	Modify the X reverse on / off up or down, press the OK key to save, and it will be closed by default.
	4. Y reversal	Modify the Y reverse on / off up or down, press the OK key to save, and it will be closed by default.
	5. Advanced settings	Select the operation mode dmx/ voice control / Auto up or down, press the OK key to save, and the default is DMX.
2、 Operation mode	1. Operation mode	Select the channel ch8/ch20/ch52 up or down, and press the OK key to save. The default is ch20.
	2. Channel	Modify the x-axis parameter value up or down (adjustable range: 000-255), and press

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	selection	the OK key to save it. The default value is 255.
3、 manual control	1. X axis	Modify the X fine tuning parameter value (adjustable range: 000-255) up or down, and press the OK key to save it. The default value is 000.
	2. X trim	Modify the X speed parameter value up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 255.
	3. X speed	Modify the DMX address code up or down (the optional range of address code is 001-512), press the OK key to save, and the default is 001.
	4. Dimming	Modify the dimming parameter value up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 255.
	5. RGB strobe	Modify the RGB stroboscopic parameter value up or down (adjustable range: 000-255), press the OK key to save, and the default value is 255.
	6. Red	Modify the parameter value of red adjustment upward or downward (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	7. Green	Modify the green parameter value up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 000.
	8. Blue	Modify the blue parameter value up or down (adjustable range: 000-255), and press the OK key to save. The default value is 000.
	9. RGB mode	Modify the RGB mode parameter value up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 255.
	10. RGB speed	Modify the RGB speed parameter value up or down (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	11. W stroboscopic	Modify the value of W stroboscopic parameter up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 000.
	12. White	Modify the brightness of the white light bead up or down (adjustable range: 000-255), press the OK key to save, and the default is 255.
	13. W mode	Modify the parameter value of W mode up or down (adjustable range: 000-255), and press OK to save it. The default value is 000.
	14. W speed	Modify the w speed parameter value up or down (adjustable range: 000-255), and press the OK key to save it. The default value is 000.
	15. RGBW strobe	Modify the RGBW stroboscopic parameter value up or down (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	16. RGBW mode	Modify the RGBW mode parameter value up or down (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	17. RGBW speed	Modify the RGBW speed parameter value up or down (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	18. Background color	Modify the value of the background color parameter up or down (adjustable range: 000-255), press the OK key to save, and the default value is 000.
	19. Background tone light	Modify the background tone light parameter value (adjustable range: 000-255) up or down, and press the OK key to save it. The default value is 000.
	20. Reset	Yes / no
4、 Display settings	1. Language selection	Select Chinese /en (English) up or down, press OK to save, and the default is Chinese.
	2. Inverted setting	Select up or down to close / open the inverted display setting, press the OK key to save, and it is closed by default.
	3. Screen saver	Select up or down to turn off / turn on the screen saver, press the OK key to save, and it is turned on by default.

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	4. Software version	066a program ID, which cannot be modified.	
5、 Factory settings	Please enter the password! Change it up or down to 138, and then press the OK key to enter the factory setting.	1. X-axis calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default is 128.
		2. Y-axis calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default is 128.
		3. Focusing calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default is 128.
		3. Rotation calibration	Modify the parameters up or down (range 000-255), and press OK to save. The default is 128.
		4. Red	Modify the red light bead current (032-255) up or down, and press the OK key to save it. The default is 210.
		5. Green	Modify the green light bead current (032-255) up or down, press the OK key to save, and the default is 210.
		6. Blue	Modify the blue light bead current (032-255) up or down, and press the OK key to save it. The default is 210.
		7. White	Modify the white light bead current (032-255) up or down, press the OK key to save, and the default is 210.
		7. Current	Modify the parameter (range 000-015) up or down, and press OK to save. The default is 015.
		7. Speed	Modify the parameters up or down (range 000-007), press OK to save, and the default is 000.
		8、 Logo	Select 000 /001 up or down, and press OK to save. The default is 000.
		9. Temperature	Modify the temperature parameter (range 40-70) up or down, and press the OK key to save it. The default is 060.
10. Temperature - Fan	Select the off / on temperature fan control up or down, press the OK key to save, and the default is on.		

### 三、 Master slave control

Two or more identical lamps are connected with DMX three core signal wires. All lamps are modified to any address code from 001 to 512. Set any one as the master, and other lamps are slaves. All slave displays do not flash; When the master is used to adjust the effects of gradient, pulse change, jump change, voice control and self-propelled, all slaves synchronize the effects of gradient, pulse change, jump change, voice control and self-propelled.

Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash out of sync.

2. Only when the DMX512 console is turned off can the master and slave machines work.

### 3. 四、 DMX512control

After setting the address code of all lamps, connect all lamps to DMX512 console in parallel with DMX three core signal wire, and the address code stops flashing, indicating that the signal of DMX512 console has been sent to lamps, and use DMX512 console to control relevant functions according to the

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channel instructions.

## CH8Channel description:

pass age way	Channe l value	basic function
1	000-255	electric machinery
2	000-255	Motor fine adjustment
3	000-255	Motor speed
4	000-255	red
5	000-255	green
6	000-255	blue
7	000-255	white
8	000-255	reset







## CH20Channel description:

pass age way	Channe l value	basic function
1	000-255	electric machinery
2	000-255	Motor fine adjustment
3	000-255	Motor speed
4	000-255	Dimming
5	000-255	Red green blue strobe
6	000-255	red
7	000-255	green
8	000-255	blue
9	000-255	Red green blue mode
10	000-255	Red green blue speed
11	000-255	White stroboscopic
12	000-255	white
13	000-255	White mode
14	000-255	White speed
15	000-255	Red green blue white strobe
16	000-255	Red green blue white mode
17	000-255	Red green blue white speed
18	000-255	Background color
19	000-255	Background tone light
20	000-255	reset

## CH52Channel description:

pass age way	Channe l value	basic function
1	000-255	electric machinery
2	000-255	Motor fine adjustment
3	000-255	Motor speed

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4	000-255	Red 1
5	000-255	Green 1
6	000-255	Blue 1
...	...	...
		
	000-255	Red 12
	000-255	Green 12
	000-255	Blue 12
	000-255	White 1
	000-255	White 2
...	...	...
		
51	000-255	White 12
52	000-255	reset

## 五、 Technical parameters:

**Voltage:** ac100~240v 50/60hz

**Power:** 1000W

**Lamp beads:** 960 rgb+w, section 12+12

**Control mode:** DMX512, self-propelled, master-slave, voice control, with RDM function.

**Channel:** ch8, ch20, CH52

**Dimming:** 32bit 0~100% linear dimming

**Features:** Flash + dyeing + effect + shaking head

**Working temperature:** -30 °C ~50 °C

**Stroboscopic frequency:** 1~30hz

**Appearance:** metal, black

**Connection mode:** DMX512 input / output / power input / output.

**IP grade:** IP65

**Size: weight:**