



## I. Definition of display panel and key



Menu key: enter/return to the main menu

Up key: menu function select up/parameter increment

Down key: menu function select down/parameter decrement

Enter key: select the menu function, and confirm and save when modifying the menu function parameters.

## II. Menu function

After the machine is powered on and reset, press the menu key to enter the main menu (exit after 30 seconds of no operation on the main menu interface). See the main menu function table for details (5 main menu options in total); Press the up or down key to select the main menu, press the enter key to modify the function parameters of each menu, and then press the enter key to save the current function parameters (with power-off memory after saving).

Main menu	Submenu	Menu function description
1. System settings	1. DMX address	Modify the DMX address code up or down (the address code can be selected from 001-512), press the Enter key to save, and the default is 001.
	2. Encoder	Up or down to modify the encoder on/off, the confirmation key to save, the default on.
	3. X reversal	Modify X up or down to reverse on/off, enter to save, off by default.
	4. Y reversal	Modify Y up or down to reverse on/off, enter to save, off by default.

# 867-A227-A243-12 light speed belt auxiliary light instruction

	5. Advanced settings	
2. Operation mode	1. Operation mode	Up or down to select the operating mode DMX/Voice/Auto, enter to save, default to DMX.
	2. Channel selection	Select channel CH24 up or down, press CH144 to save, default CH24.
3. Manual control	1. Y-axis	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	2. Y fine adjustment	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	3. Y speed	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	4. Focus	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	5. Dimming	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	6. A stroboscopic	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	7. A Red	Modify the brightness of the red lamp bead upward or downward (adjustable range: 000-255), press the Enter key to save, and the default value is 000.
	8. A Green	Modify the brightness of the green lamp bead upward or downward (adjustable range: 000-255). Press the Enter key to save. The default value is 000.
	9. A Blue	Modify the brightness of the blue lamp bead upward or downward (adjustable range: 000-255), press the Enter key to save, and the default value is 000.
	10. A White	Modify the brightness of the white lamp bead upward or downward (adjustable range: 000-255), press the Enter key to save, and the default value is 000.
	11. Mode A	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	12. A speed	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	13. A background color	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	14. A background tone light	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	15. B strobe	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	16. B Red	Modify the brightness of the red lamp bead upward or downward (adjustable range: 000-255). Press the Enter key to save. The default value is 255.
	17. B Green	Modify the brightness of the green lamp bead upward or downward (adjustable range: 000-255). Press the Enter key to save. The default value is 255.
	18. B Blue	Modify the brightness of the blue lamp bead upward or downward (adjustable range: 000-255). Press the Enter key to save. The default value is 255.
	19. Mode B	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.
	20. B speed	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.

# 867-A227-A243-12 light speed belt auxiliary light instruction

	21. Direction B	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.	
	22. B background color	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.	
	23. B background tonal light	Modify the parameter value upward or downward (the adjustable range is 000-255), press the Enter key to save, and the default value is 000.	
	24. Reset	Yes/No	
4. Display settings	1. Language selection	Select Chinese/EN (English) up or down, and press Enter to save. The default is Chinese.	
	2. Inverted display settings	Select up or down to close/open the reverse display setting, and press the confirmation key to save. It is closed by default.	
	3. Screen saver	Select up or down to turn off/on the screen saver, press the enter key to save, and turn on by default.	
	4. Software version	069C Program ID, not modifiable.	
5. Factory settings	Display, please enter the password! Change up or down to 138, and then press the confirmation key to enter the factory setting.	1. Y-axis calibration	Modify the parameter up or down (range: 000-255), press the OK key to save, and the default value is 128.
		2. Focus 1 calibration	Modify the focus 1 calibration up or down (000-255), press the Enter key to save, and the default is 128.
		3. Focus 2 calibration	Modify the focus 2 calibration up or down (000-255), press the OK key to save, and the default is 128.
		4. Focusing stroke	Modify the focusing stroke up or down (000-255), press the Enter key to save, and the default is 128.
		5. Red	Modify the current of the red lamp bead up or down (032-255), press the OK key to save, and the default is 252.
		6. Green	Modify the current of the green lamp bead up or down (032-255), press the OK key to save, and the default is 252.
		7. Blue	Up or down to modify the blue lamp current (032-255), enter the key to save, the default is 252.
		8. White	Modify the current of the white lamp bead up or down (032-255), press the OK key to save, and the default is 252.
		9. LEDNum	Select 000/0012 up or down, press OK to save, and the default is 001.
		10. Current	Select 000/007 up or down, press OK to save, and the default is 004.
		11. Speed	Select 000/007 up or down, press Enter to save, and the default is 000.
		12. LOGO	L Select 000/001 up or down, press Enter to save, and the default is 000.
		13. Temperature	Change the temperature parameter up or down (range 40-70), press the OK key to save, and the default value is 065.
		14. Temperature -Fan	Up or down to select off/on temperature-fan control, enter key to save, default on.
		15. LED	LED light bead sequence selection LEDA/LEDB

## III. Master-slave control

Two or more identical lamps are connected by DMX three-core signal line, all lamps are modified to any address code from 001 to 512, any one is set as the host, other lamps are slave, and the display screen of all slave does not flicker; When the host computer is used to adjust the effects of gradual

# 867-A227-A243-12 light speed belt auxiliary light instruction

change, pulse change, jump change, sound control and self-walking, all slave computers shall synchronize the effects of gradual change, pulse change, jump change, sound control and self-walking.

Special note: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly and not be synchronized.

2. All lamps must work only when the DMX512 console is turned off.

## IV. DMX512 control

After the address codes of all lamps are set, connect all lamps to the DMX512 console in parallel with the DMX three-core signal line. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lamps. Control relevant functions with the DMX512 console according to the channel description.

### CH24 channel description:

Passage way	Channel value	Basic functions
1	000-255	X-axis
2	000-255	Y Fine adjustment
3	000-255	Y speed
4	000-255	Focus
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	The main light R
8	000-255	The main light G
9	000-255	Main light B
10	000-255	The main light W
11	000-255	Main light mode
12	000-255	The speed of the main light
13	000-255	The background color of the main light
14	000-255	Main Light Background Tone Light
15	000-255	Auxiliary light stroboscopic
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Direction of auxiliary light
22	000-255	Fill light background color
23	000-255	Auxiliary light background tonal light
24	000-255	Reset: When the parameter value is 150-255, the whole machine is reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset.

### CH144 channel description:

Passage way	Channel value	Basic functions
1	000-255	X-axis
2	000-255	Y Fine adjustment

## 867-A227-A243-12 light speed belt auxiliary light instruction

3	000-255	Y speed
4	000-255	Focus
5	000-255	Dimming
6	000-255	Main light strobe
7	000-255	The main light R
8	000-255	The main light G
9	000-255	Main light B
10	000-255	The main light W
11	000-255	Main light mode
12	000-255	The speed of the main light
13	000-255	The background color of the main light
14	000-255	Main Light Background Tone Light
15	000-255	Auxiliary light stroboscopic
16	000-255	Auxiliary light R
17	000-255	Auxiliary light G
18	000-255	Auxiliary light B
19	000-255	Auxiliary light mode
20	000-255	Auxiliary light speed
21	000-255	Direction of auxiliary light
22	000-255	Fill light background color
23	000-255	Auxiliary light background tonal light
24	000-255	Reset: When the parameter value is 150-255, the whole machine is reset. The console parameter value must be pulled below 10 and then pushed to 150-255 to be useful. When the parameter value is 000-149, it is useless and cannot be reset.
25	000-255	The main light R1
26	000-255	The main light G1
27	000-255	Main light B1
28	000-255	The main light W1
29	000-255	Main light R2
30	000-255	Main light G2
31	000-255	Main light B2
32	000-255	The main light W2
33	000-255	Main light R3
34	000-255	Main light G3
35	000-255	Main light B3
36	000-255	Main light W3
37	000-255	The main light R4
38	000-255	Main light G4
39	000-255	Main light B4
40	000-255	Main light W4
41	000-255	Main light R5
42	000-255	Main light G5
43	000-255	Main light B5
44	000-255	Main light W5
45	000-255	Main light R6
46	000-255	Main light G6

## 867-A227-A243-12 light speed belt auxiliary light instruction

47	000-255	Main light B6
48	000-255	Main light W6
49	000-255	Main light R7
50	000-255	Main light G7
51	000-255	Main light B7
52	000-255	Main light W7
53	000-255	Main light R8
54	000-255	Main light G8
55	000-255	Main light B8
56	000-255	Main light W8
57	000-255	Main light R9
58	000-255	Main light G9
59	000-255	Main light B9
60	000-255	Main light W9
61	000-255	Main light R10
62	000-255	Main light G10
63	000-255	Main light B10
64	000-255	Main light W10
65	000-255	Main light R11
66	000-255	Main light G11
67	000-255	Main light B11
68	000-255	Main light W11
69	000-255	Main light R12
70	000-255	Main light G12
71	000-255	Main light B12
72	000-255	Main light W12
73	000-255	Auxiliary light R1
74	000-255	Auxiliary light G1
75	000-255	Auxiliary light B1
76	000-255	Auxiliary light R2
77	000-255	Auxiliary light G2
78	000-255	Auxiliary light B2
79	000-255	Auxiliary light R3
80	000-255	Auxiliary light G3
81	000-255	Auxiliary light B3
82	000-255	Auxiliary light R4
83	000-255	Auxiliary light G4
84	000-255	Auxiliary light B4
85	000-255	Auxiliary light R5
86	000-255	Auxiliary light G5
87	000-255	Auxiliary light B5
88	000-255	Auxiliary light R6
89	000-255	Auxiliary light G6
90	000-255	Auxiliary light B6
91	000-255	Auxiliary light R7

## 867-A227-A243-12 light speed belt auxiliary light instruction

92	000-255	Auxiliary light G7
93	000-255	Auxiliary light B7
94	000-255	Auxiliary light R8
95	000-255	Auxiliary light G8
96	000-255	Auxiliary light B8
97	000-255	Auxiliary light R9
98	000-255	Auxiliary light G9
99	000-255	Auxiliary light B9
100	000-255	Auxiliary light R10
101	000-255	Auxiliary light G10
102	000-255	Auxiliary light B10
103	000-255	Auxiliary light R11
104	000-255	Auxiliary light G11
105	000-255	Auxiliary light B11
106	000-255	Auxiliary light R12
107	000-255	Auxiliary light G12
108	000-255	Auxiliary light B12
109	000-255	Auxiliary light R13
110	000-255	Auxiliary light G13
111	000-255	Auxiliary light B13
112	000-255	Auxiliary light R14
113	000-255	Auxiliary light G14
114	000-255	Auxiliary light B14
115	000-255	Auxiliary light R15
116	000-255	Auxiliary light G15
117	000-255	Auxiliary light B15
118	000-255	Auxiliary light R16
119	000-255	Auxiliary light G16
120	000-255	Auxiliary light B16
121	000-255	Auxiliary light R17
122	000-255	Auxiliary light G17
123	000-255	Auxiliary light B17
124	000-255	Auxiliary light R18
125	000-255	Auxiliary light G18
126	000-255	Auxiliary light B18
127	000-255	Auxiliary light R19
128	000-255	Auxiliary light G19
129	000-255	Auxiliary light B19
130	000-255	Auxiliary light R20
131	000-255	Auxiliary light G20
132	000-255	Auxiliary light B20
133	000-255	Auxiliary light R21
134	000-255	Auxiliary light G21
135	000-255	Auxiliary light B21
136	000-255	Auxiliary light R22

## 867-A227-A243-12 light speed belt auxiliary light instruction

137	000-255	Auxiliary light G22
138	000-255	Auxiliary light B22
139	000-255	Auxiliary light R23
140	000-255	Auxiliary light G23
141	000-255	Auxiliary light B23
142	000-255	Auxiliary light R24
143	000-255	Auxiliary light G24
144	000-255	Auxiliary light B24

### V. Technical parameters:

Voltage: AC100 ~ 240V 50/60HZ

Power: 800 W

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

Channel: CH24, CH144

Dimming: 32bit 0 ~ 100% linear dimming

Features: Y head + beam + flash + auxiliary light

Working temperature: -30 °C ~ 50 °C

Strobe frequency: 1 ~ 30HZ

Appearance: metal, black

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

IP rating: IP20

Dimensions: Height: 29.3cm Length: 100cm Width: 11cm Weight: 14.25kg