

KEEP THIS USER MANUAL FOR FUTURE NEEDS



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Thank you for your patronage!

We are confident that our excellent products and service can satisfy you.

For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly, we suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before opening the housing!

Everyone involved with the installation, operation and maintenance of this device has to:

-be qualified

-follow carefully the instructions of this manual

INTRODUCTION:

Thank you for having chosen this professional stage light.

You will see you have acquired a powerful and versatile device.

After unpacking, the accessories for each lamp should include:

1. One powerCON cable
2. One 3-Pin XLR cable
3. One safety rope

(Flight case and Clamp are optional, please contact your dealer.)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

SAFETY INSTRUCTIONS

1. In order to ensure the lifespan of the product, the product must not be placed in a wet or leaky place. The maximum working environment temperature cannot exceed 40°C, and the minimum cannot be lower than -20°C.
2. Do not place the product in a place where it is easy to loose or vibrate.
3. In order to avoid the risk of electric shock, the maintenance of the product should be done by professionals.
4. Check whether the voltage, frequency and other electrical data of the light power supply line are consistent with the voltage and frequency parameters marked on the light, so as to avoid voltage mismatch and burn out the light.
5. When the light is in use, the power supply voltage change should not exceed $\pm 10\%$.
6. The light is designed according to the type of protection against electric shock, and the light should be connected to a power supply system with sufficient grounding. And the earth wire of the light must be connected with the earth wire of the power supply system, and the earth mark on the metal shell of the light must be securely connected

with the light holder.

7. Please do not look directly at the light source, as it may damage the retina of the eye and cause blindness.
8. Do not touch the device at will during use to avoid burns caused by high temperature.
9. Please do not project the beam on combustibles. The distance between the light output port and the surface of combustibles must be greater than 15 meters.
10. The light should be installed in a well-ventilated place, with a distance of 50 cm or more from the wall. Also, check that the fans and vents are unobstructed.

CLEANING AND MAINTENANCE

1. The light should be kept dry and avoid working in a humid environment.
2. Intermittent use will effectively prolong the life of the lamp.
3. In order to obtain good ventilation and lighting effects, pay attention to cleaning the fan, fan net and lens frequently.
4. Do not wipe the housing of the light with alcohol or other organic solvents to avoid damage.

STATEMENT

When the product is shipped from the factory, its performance is intact and the packaging is complete. All users should strictly abide by the warnings and operating instructions stated above. Any damage caused by misuse is not covered by the company's warranty. Failures and problems caused by ignoring the operation manual are not within the responsibility of the dealer.

Note: Based on our company's policy of continuous product improvement, the data contained in this manual may change in the future, and will no longer notify the changes. The company reserves the right to change the relevant specification data when the product is improved.

The publisher of this manual will not assume any responsibility for the consequences of such information.

Technical parameters

Power supply

Input power: AC100-240V 50/60Hz

Power consumption:1000W

Light source

Main Light Section:10X60W RGBW LED

Strip Light Section:

96 x 3W CW LED

96 x 3W WW LED

96 x 0.5W RGB LED

Individual LED Control

LED Average Life: 20,000 hours

Main Light (White): 6.300k

Effect

Beam angle: 2.8-31°

Field angle: 5-46°

Total lumen: 22,400lux

Control

Tilt:220°

Splicable body connection

Control mode: DMX512/RDM/Art-Net

Control channels:17/27/99/108/168

XLR in&out: 3-pin

Package

Net weight: 19kg

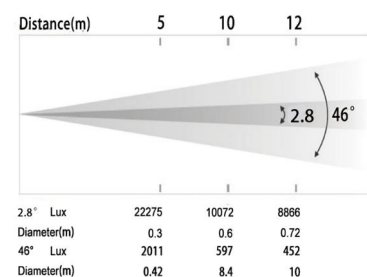
Carton box size(1-in-1): 111x22x42cm

Gross weight: 22.2kg

Flight case size(4-in-1): 128*58*51cm

Gross weight: 106.58kg

Photometrics

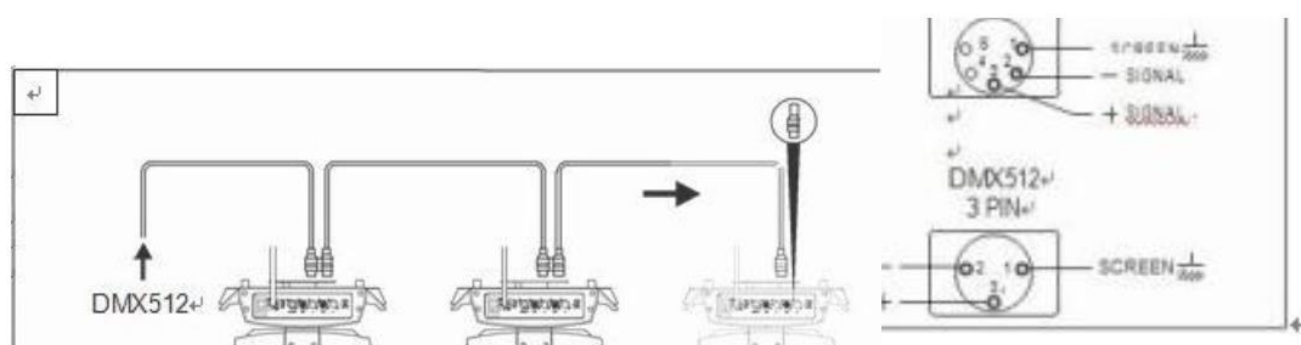


Signal line connection

The fixture features standard DMX input and output via 3-pin or 5-pin XLR sockets. Please use a shielded twisted pair signal line specially designed for DMX 512; the signal line is generally connected at a distance of 150 meters. When transmitting long-distance signals, a DMX512 signal amplifier must be added. Use a shielded twisted pair signal cable to connect the DMX output port of the controller to the DMX input port of the first device, and connect the DMX output port of the first device to the DMX input port of the second device, and so on. Until all the lamps are connected, install a terminal plug on the output 3-pin jack of the last connected lamp in each circuit. (Solder a 4/1W, 120Ω resistor between pins 2 and 3 of the 3-pin XLR plug).

IMPORTANT: The wires must not touch each other or the metal casing.

DMX signal line connection diagram



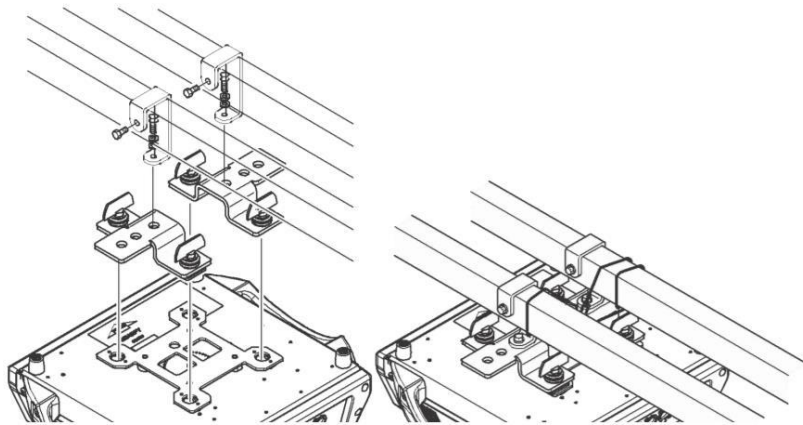
Calculation method of lamp starting address code

The starting address code of the current lamp is equal to (the starting address code of the previous lamp) + (the number of channels of the lamp). Note: 1: The starting address code value of the first lamp is A001. 2: The basic number of channels of the controller should be greater than or equal to the total number of channels used by the lamp. 3: Note: When using any controller, each lamp must have its own starting address code. If the starting address code of the first lamp is set to A001, and the channel number of the lamp is 16CH; then the first lamp's channel number is 16CH; The starting address code of the second lamp is set to A017; the starting address code of the third lamp is set to A033; and so on (this setting method also needs to be determined according to different consoles)

Lamp installation

The lamp can be placed horizontally, hung diagonally and upside down. Be sure to pay attention to the installation method when hanging diagonally or upside down. As shown in the picture, before positioning the lamp, ensure the stability of the installation site. When reversing the hanging installation, you must ensure that the lamp does not fall on the support frame. A safety rope needs to be passed through the support frame and the lamp

handle. Perform auxiliary hanging to ensure safety and prevent the lamp from falling and sliding. When the lamp is installed and debugged, pedestrians are prohibited from passing underneath. Regularly check whether the safety rope is worn and whether the hook screws are loose. Our company does not assume any responsibility for any consequences caused by the lamp falling due to unstable hanging installation.



Schematic diagram of hanging upside down

Display panel button function diagram

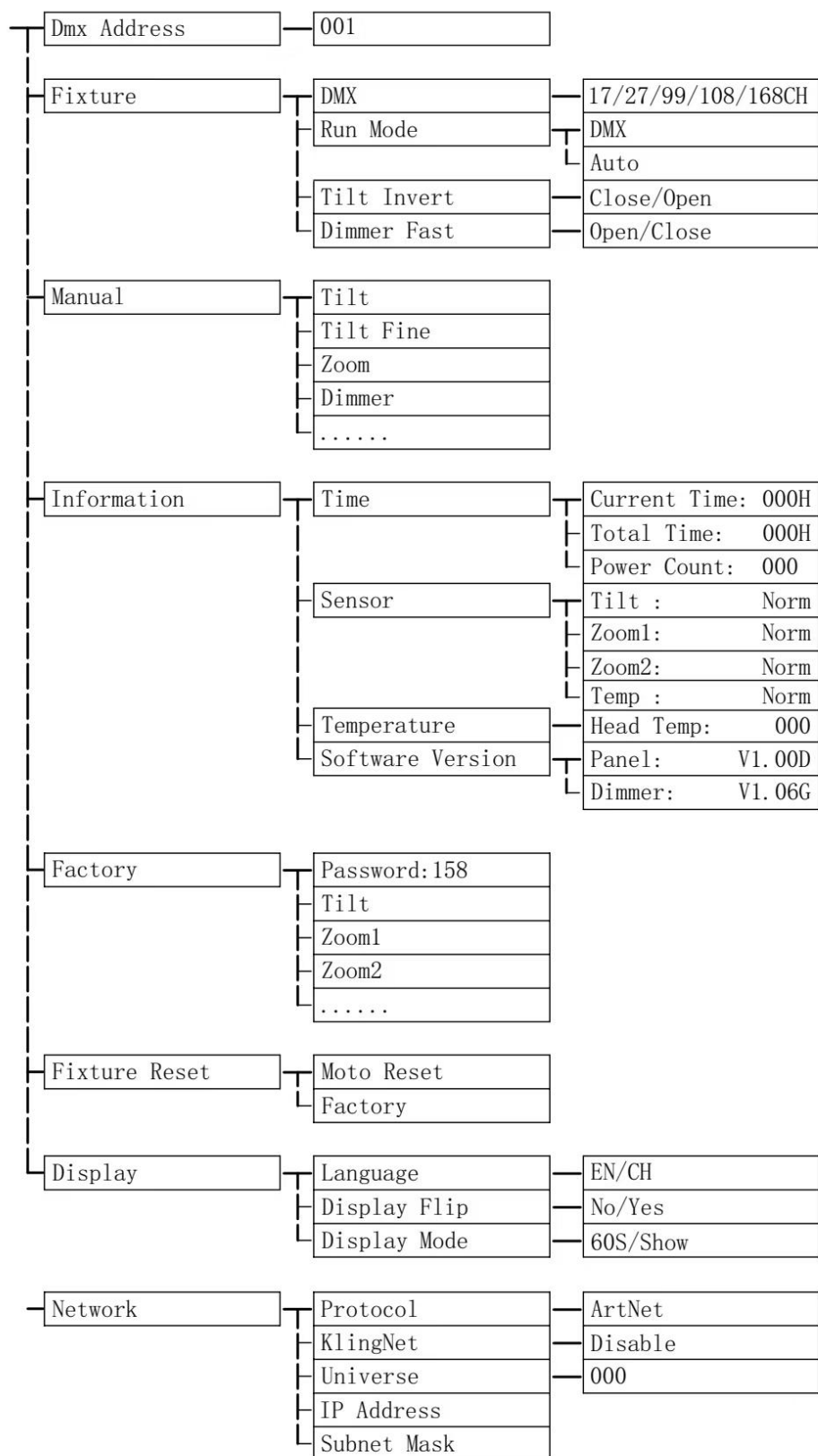


The functions of the "left" and "right" keys are the same, returning to the previous interface.

"Up" and "Down" keys, select, edit

OK key, execute function, start editing, exit editing

MENU FUNCTION



Channel list

CH	17CH	27CH	99CH	108CH	168CH
1	Tilt	Tilt	Tilt	Tilt	Tilt
2	Tilt fine	Tilt fine	Tilt fine	Tilt fine	Tilt fine
3	Zoom	Zoom	Zoom	Zoom	Zoom
4	Dimmer	Dimmer	Dimmer	Dimmer	Dimmer
5	Main strobe	Main strobe	Main strobe	Main strobe	Main strobe
6	Line W strobe	Line W strobe	Line W strobe	Line W strobe	Line W strobe
7	Line RGB strobe	Line RGB strobe	Line RGB strobe	Line RGB strobe	Line RGB strobe
8	Macro color	Macro color	Macro color	Macro color	Macro color
9	Main red	Main red	Main red 1	Main red 1	Main red 1
10	Main green	Main green	Main green 1	Main green 1	Main green 1
11	Main blue	Main blue	Main blue 1	Main blue 1	Main blue 1
12	Main white	Main white	Main white 1	Main white 1	Main white 1
13	Line W CW	Main color temperature	Main red 2	Main red 2	Main red 2
14	Line W WW	Main color	Main green 2	Main green 2	Main green 2
15	Line RGB red	Main macro	Main blue 2	Main blue 2	Main blue 2
16	Line RGB green	Main macro speed	Main white 2	Main white 2	Main white 2
17	Line RGB blue	Line W CW	Main red 3	Main red 3	Main red 3
18		Line W WW	Main green 3	Main green 3	Main green 3
19		Line W CCT	Main blue 3	Main blue 3	Main blue 3
20		Line W macro	Main white 3	Main white 3	Main white 3
21		Line W macro	Main red 4	Main red 4	Main red 4
22		Line RGB red	Main green 4	Main green 4	Main green 4
23		Line RGB green	Main blue 4	Main blue 4	Main blue 4
24		Line RGB blue	Main white 4	Main white 4	Main white 4
25		Line RGB color	Main red 5	Main red 5	Main red 5
26		Line RGB macro	Main green 5	Main green 5	Main green 5
27		Line RGB macro speed	Main blue 5	Main blue 5	Main blue 5
28			Main white 5	Main white 5	Main white 5
29			Main red 6	Main red 6	Main red 6
30			Main green 6	Main green 6	Main green 6
31			Main blue 6	Main blue 6	Main blue 6
32			Main white 6	Main white 6	Main white 6
33			Main red 7	Main red 7	Main red 7
34			Main green 7	Main green 7	Main green 7

35			Main blue 7	Main blue 7	Main blue 7
36			Main white 7	Main white 7	Main white 7
37			Main red 8	Main red 8	Main red 8
38			Main green 8	Main green 8	Main green 8
39			Main blue 8	Main blue 8	Main blue 8
40			Main white 8	Main white 8	Main white 8
41			Main red 9	Main red 9	Main red 9
42			Main green 9	Main green 9	Main green 9
43			Main blue 9	Main blue 9	Main blue 9
44			Main white 9	Main white 9	Main white 9
45			Main red 10	Main red 10	Main red 10
46			Main green 10	Main green 10	Main green 10
47			Main blue 10	Main blue 10	Main blue 10
48			Main white 10	Main white 10	Main white 10
49			Line W CW 1	Line W CW 1	Line W CW 1
50			Line W WW 1	Line W WW 1	Line W WW 1
51			Line W CW 2	Line W CW 2	Line W CW 2
52			Line W WW 2	Line W WW 2	Line W WW 2
53			Line W CW 3	Line W CW 3	Line W CW 3
54			Line W WW 3	Line W WW 3	Line W WW 3
55			Line W CW 4	Line W CW 4	Line W CW 4
56			Line W WW 4	Line W WW 4	Line W WW 4
57			Line W CW 5	Line W CW 5	Line W CW 5
58			Line W WW 5	Line W WW 5	Line W WW 5
59			Line W CW 6	Line W CW 6	Line W CW 6
60			Line W WW 6	Line W WW 6	Line W WW 6
61			Line W CW 7	Line W CW 7	Line W CW 7
62			Line W WW 7	Line W WW 7	Line W WW 7
63			Line W CW 8	Line W CW 8	Line W CW 8
64			Line W WW 8	Line W WW 8	Line W WW 8
65			Line W CW 9	Line W CW 9	Line W CW 9
66			Line W WW 9	Line W WW 9	Line W WW 9
67			Line W CW 10	Line W CW 10	Line W CW 10
68			Line W WW 10	Line W WW 10	Line W WW 10
69			Line W CW 11	Line W CW 11	Line W CW 11
70			Line W WW 11	Line W WW 11	Line W WW 11
71			Line W CW 12	Line W CW 12	Line W CW 12
72			Line W WW 12	Line W WW 12	Line W WW 12
73			Line W CW 13	Line RGB red 1	Line W CW 13
74			Line W WW 13	Line RGB green 1	Line W WW 13
75			Line W CW 14	Line RGB blue 1	Line W CW 14
76			Line W WW 14	Line RGB red 2	Line W WW 14

77			Line W CW 15	Line RGB green 2	Line W CW 15
78			Line W WW 15	Line RGB blue 2	Line W WW 15
79			Line W CW 16	Line RGB red 3	Line W CW 16
80			Line W WW 16	Line RGB green 3	Line W WW 16
81			Line W CW 17	Line RGB blue 3	Line W CW 17
82			Line W WW 17	Line RGB red 4	Line W WW 17
83			Line W CW 18	Line RGB green 4	Line W CW 18
84			Line W WW 18	Line RGB blue 4	Line W WW 18
85			Line W CW 19	Line RGB red 5	Line W CW 19
86			Line W WW 19	Line RGB green 5	Line W WW 19
87			Line W CW 20	Line RGB blue 5	Line W CW 20
88			Line W WW 20	Line RGB red 6	Line W WW 20
89			Line W CW 21	Line RGB green 6	Line W CW 21
90			Line W WW 21	Line RGB blue 6	Line W WW 21
91			Line W CW 22	Line RGB red 7	Line W CW 22
92			Line W WW 22	Line RGB green 7	Line W WW 22
93			Line W CW 23	Line RGB blue 7	Line W CW 23
94			Line W WW 23	Line RGB red 8	Line W WW 23
95			Line W CW 24	Line RGB green 8	Line W CW 24
96			Line W WW 24	Line RGB blue 8	Line W WW 24
97			Line RGB red	Line RGB red 9	Line RGB red 1
98			Line RGB green	Line RGB green 9	Line RGB green 1
99			Line RGB blue	Line RGB blue 9	Line RGB blue 1
100				Line RGB red 10	Line RGB red 2
101				Line RGB green 10	Line RGB green 2
102				Line RGB blue 10	Line RGB blue 2
103				Line RGB red 11	Line RGB red 3
104				Line RGB green 11	Line RGB green 3
105				Line RGB blue 11	Line RGB blue 3
106				Line RGB red 12	Line RGB red 4
107				Line RGB green	Line RGB green 4

				12	
108				Line RGB blue 12	Line RGB blue 4
109					Line RGB red 5
110					Line RGB green 5
111					Line RGB blue 5
112					Line RGB red 6
113					Line RGB green 6
114					Line RGB blue 6
115					Line RGB red 7
116					Line RGB green 7
117					Line RGB blue 7
118					Line RGB red 8
119					Line RGB green 8
120					Line RGB blue 8
121					Line RGB red 9
122					Line RGB green 9
123					Line RGB blue 9
124					Line RGB red 10
125					Line RGB green 10
126					Line RGB blue 10
127					Line RGB red 11
128					Line RGB green 11
129					Line RGB blue 11
130					Line RGB red 12
131					Line RGB green 12
132					Line RGB blue 12
133					Line RGB red 13
134					Line RGB green 13
135					Line RGB blue 13
136					Line RGB red 14
137					Line RGB green 14
138					Line RGB blue 14
139					Line RGB red 15
140					Line RGB green 15
141					Line RGB blue 15
142					Line RGB red 16

143					Line RGB green 16
144					Line RGB blue 16
145					Line RGB red 17
146					Line RGB green 17
147					Line RGB blue 17
148					Line RGB red 18
149					Line RGB green 18
150					Line RGB blue 18
151					Line RGB red 19
152					Line RGB green 19
153					Line RGB blue 19
154					Line RGB red 20
155					Line RGB green 20
156					Line RGB blue 20
157					Line RGB red 21
158					Line RGB green 21
159					Line RGB blue 21
160					Line RGB red 22
161					Line RGB green 22
162					Line RGB blue 22
163					Line RGB red 23
164					Line RGB green 23
165					Line RGB blue 23
166					Line RGB red 24
167					Line RGB green 24
168					Line RGB blue 24

Common troubleshooting

The lamps contain professional components such as microcomputer circuit boards and high-voltage power supplies.

For your safety and product life, non-professionals are not allowed to disassemble lamps and related accessories without authorization.

The light bulb does not light up Possible reasons: The bulb is not completely cooled, or the bulb has reached the end of its life. The solution is as follows: Due to abnormal operation, the bulb has not completely cooled down. The lamp body should be allowed to cool down for more than 5 minutes to completely restore the interior to its normal state, and then turn on the power again; Check whether the bulb has reached its service life and replace it with a new one; Check whether the bulb and the lighting circuit are leaking, falling off or having poor contact; Replace the lamp lighter with a new one. 2.The beam appears dim Possible reasons: The bulb has been used for a long time or the light path is not clean. The solution is as follows: Check whether the bulb has reached its service life and replace it with a new one; Check whether the optical components or bulbs are clean, and whether there is dust accumulated on the bulbs and other optical components. Regular cleaning and maintenance of the bulbs and components in the lamp is required.

3.Pattern projection is blurry

Check whether the electronic focus channel value is suitable for the current projection distance.

4.The lamp works intermittently Possible reason: The internal line enters the protection state, and the processing is as follows: Check whether the fan is running normally or whether it is dirty, causing the internal temperature of the lamp to rise; Check whether the internal temperature control switch is closed; Check whether the bulb has reached its service life and replace it with a new one.

5.The lamp does not accept control from the console after normal reset. Possible reasons: signal line failure or abnormal lamp parameter settings. The processing is as follows: Check the starting address code and check the connection of the DMX signal cable (whether the signal cable is intact and whether the Kannon head connection is loose); Add a signal amplifier and a 120 ohm terminal resistor;

6. The lamp cannot be started Possible reasons: The power line is defective, and the solution is as follows: Check whether the fuse on the power input socket is blown and replace the fuse; Lamps vibrate during long-distance transportation, resulting in poor circuit contact. Check the input power supply, computer board and other connectors.



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Subject to change without notification!