

User manual



HEXALINE 660

Please read the instructions carefully before use

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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is T_a : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

- There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

- The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
- The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Voltage: AC100~220V 50/60HZ

Power: 350W

Light source: 6*60W white led+144 pieces RGB 3in1 led

Control: DMX512/Auto Run/Master-Slave/Music

Channels: CH04, CH16, CH21, CH24, CH36

Dimming: 32bit 0~100% linear dimming

Operating temperature: - 30 °C~50 °C

Stroboscopic frequency: 1~30HZ

IP grade: IP20

Dimension: 1500*180*150 mm

NW:15 kgs

3. Control Menu



Menu key: Select function

Up key: parameter addition

Down key: decrease the parameter

Confirm key: confirm and save

Menu function

After power on, press the menu key to display the menu menu in turn; The up or down key is used to modify the function parameters, and the confirmation key is used to save the current functions and parameters (power down memory is available after saving).

A001	➡	A512	Set the address code, modify the address code (A001~A512) upward or downward, and press OK to save.
CH16	➡	CH16	Switch the five channels CH03, CH16, CH22, CH28 and ch40 up or down, and press OK to save. Default CH16
A007	➡	N63	Auxiliary light effect mode, confirm to save
S000	➡	S000	Modify the running speed (S000~S255) of secondary lighting effect up or down, and press OK to save.
E007	➡	E21	In the middle main light mode, confirm to save.
S000	➡	S255	Modify the running speed of the intermediate main beam (S000~S255) up or down, and press OK to save.
Sound	➡	Sound	Voice mode.
R255	➡	R000	Red color. Modify the brightness of the red lamp bead (R000~R255) upward or downward, and press OK to save.
G255	➡	G000	Green color , modify the brightness of green lamp bead (G000~G255) upward or downward, and press OK to save.
B255	➡	B000	Blue color, modify the brightness of the blue lamp bead (B000~B255) upward or downward, and press OK to save.
W255	➡	W000	W monochrome lamp brightness, modify the monochrome lamp brightness up or down (W000~W255), and press OK to save.

Master slave control

Two or more identical lamps are connected with DMX three core signal lines. All lamps are set with any address code from A001 to A512. Any lamp is set as the host, and other lamps are slave. All slave displays do not flicker; When the master is used to adjust the effect of gradual change, pulse change,

jump change, voice control and self walking, all slave machines are synchronized with the effect of gradual change, pulse change, jump change, voice control and self walking.

Special attention:

1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly and not synchronize.
2. All lamps can only work when DMX512 console is turned off.

Factory Settings

When any address code is A001~A512, press the menu key for 3 seconds to enter the factory setting. Factory setting mainly includes the functions of output power of each circuit of lamps, fan setting mode, setting temperature protection point, and sending parameters. Press the menu key for 3 seconds to exit any mode set in the factory.

Factory Setting Table:

R255	➡	R020	Red color setting, modify the hexagon red lamp bead current (R020-R255) upward or downward, and press OK to save.
G255	➡	G020	Green color setting, modify the hexagon green lamp bead current (G020-G255) upward or downward, and press OK to save.
B255	➡	B020	Blue color setting. Modify the hexagonal blue lamp bead current (B020-B255) up or down, and press OK to save it.
W255	➡	W020	White color setting, modify monochrome lamp current setting up or down (W020~W255), and press OK to save.
FAN1	➡	FAN0	Fan setting: start the fan when FAN0 light is on, start the fan when FAN1 reaches the set temperature protection point, and press OK to save.
T040	➡	T-105	Set the temperature protection point, modify the parameters up or down (40 °C~75 °C), and press the OK key to save.
Send	➡	Send	Send the factory setting parameters of the machine up or down to the lamps connected in parallel with all other three core signal lines; Confirm sending parameters and press the menu key for 3 seconds

4.DMX Channels

CH04

Passageway	Channel value	basic function
1	000-255	Red dimming
2	000-255	Green dimming.
3	000-255	Blue dimming.
4	000-255	White dimming

CH16

Passageway	Channel value	basic function
1	000-255	General dimming
2	000-255	Red green blue total dimming
3	000-255	Red dimming
4	000-255	Green dimming.
5	000-255	Blue dimming
6	000-255	Red green blue strobe (0-9 does not work, 10-255 speeds up)
7	000-255	Red, green and blue mode. Effect (4 values for one effect)
8	000-255	Red, green and blue speed
9	000-255	Red green blue background color
10	000-255	Red green blue background dimming
11	000-255	White dimming
12	000-255	White flicker
13	000-255	White mode, effect (0-5 no effect) (12 values, 1 effect)
14	000-255	White mold speed
15	000-255	Red green blue white combination mode, effect
16	000-255	Red green blue white combination (speed)

CH21

Passageway	Channel value	basic function
1	000-255	General dimming
2	000-255	Red green blue total dimming
3	000-255	Red dimming
4	000-255	Green dimming.
5	000-255	Blue dimming
6	000-255	Red green blue strobe
7	000-255	Red green blue mode. Effect (4 values and 1 effect)
8	000-255	Red, green and blue speed
9	000-255	Red, green and blue - background color
10	000-255	Red, green and blue - background dimming
11	000-255	Segment 01 White Dimming.
12	000-255	Section 02 White Dimming.
13	000-255	Section 03 White Dimming.
14	000-255	Segment 04 White Dimming.
15	000-255	Segment 05 White Dimming.
16	000-255	Section 06 White Dimming.
17	000-255	White strobe
18	000-255	White light mode. Effect (0-5 useless. 12 values and 1 effect)
19	000-255	White
20	000-255	Red green blue white combination mode. effect
21	000-255	Red green blue white speed

CH24




Passageway	Channel value	basic function
1	000-255	Section 01: red dimming .
2	000-255	Section 01: green dimming
3	000-255	Section 01: blue dimming
4	000-255	Section 02: red dimming .
5	000-255	Section 02 green dimming
6	000-255	Section 02: blue dimming
7	000-255	Section 03 Red Dimming
8	000-255	Section 03 Green Dimming
9	000-255	Section 03 Blue Dimming
10	000-255	Section 04: red dimming
11	000-255	Section 04 green dimming
12	000-255	Section 04 blue dimming
13	000-255	Section 05 red dimming
14	000-255	Segment 05 Green Dimming
15	000-255	Segment 05 Blue Dimming.
16	000-255	Section 06 red dimming
17	000-255	Section 06 Green Dimming
18	000-255	Section 06 blue dimming .
19	000-255	Segment 01 White Dimming.
20	000-255	Section 02 White Dimming.
21	000-255	Section 03 White Dimming.
22	000-255	Segment 04 White Dimming.
23	000-255	Segment 05 White Dimming.
24	000-255	Section 06 White Dimming.

CH36

1	000-255	General dimming
2	000-255	Red, green and blue - total dimming
3	000-255	Section 01: red dimming
4	000-255	Section 01: green dimming
5	000-255	Section 01: blue dimming
6	000-255	Section 02: red dimming
7	000-255	Section 02 Green Dimming
8	000-255	Section 02: blue dimming
9	000-255	Section 03 Red dimming
10	000-255	Section 03 Green Dimming
11	000-255	Section 03 Blue Dimming
12	000-255	Section 04: red dimming

13	000-255	Section 04 green dimming
14	000-255	Section 04 blue dimming
15	000-255	Section 05 red dimming
16	000-255	Segment 05 Green Dimming
17	000-255	Segment 05 Blue Dimming.
18	000-255	Section 06 red dimming .
19	000-255	Section 06 Green Dimming
20	000-255	Section 06 blue dimming
21	000-255	Red green blue strobe
22	000-255	Red, green and blue - mode (4 values and 1 mode)
23	000-255	Red, Green and Blue - Speed
24	000-255	Background color
25	000-255	Background tone light
26	000-255	Segment 01 White Dimming.
27	000-255	Section 02 White Dimming.
28	000-255	Section 03 White Dimming.
29	000-255	Segment 04 White Dimming.
30	000-255	Segment 05 White Dimming.
31	000-255	Section 06 White Dimming.
32	000-255	White light strobe
33	000-255	White light - mode, effect (0-5 useless. 12 values, 1 effect)
34	000-255	White light - speed
35	000-255	Red green blue white combination mode. effect
36	000-255	Red green blue white speed

Mode effect

Channel value	Mode code	effect
0-7	0	No effect
8-15	1	Effect 1
16-23	2	Effect 2
24-31	3	Effect 3
32-39	4	Effect 4
 ...	 ...	
232-239	29	Effect 29
240-247	30	Mode code 1-29 cycles.
248-255	31	Voice control

5. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition

6. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.