User Manual

Please read the instructions carefully before use.

1.Safety Instruction   2.Technical Specification/ Main Function/Controls   3.DMX Channel Profile

4.Trouble Shooting   5.Fixture & Cleaning

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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 and problem owing to ignore the manual.

1. SAFETY INSTRUCTION

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. Its important to ground the yellow/green conductor to earth in order to avoid electric shock.

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 ta: 40c. Do not operate it where the temperature is higher than this unit surface temperature may reach up to 85c. 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.

In 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. Do not open the unit within five minutes after switching off. The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

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⚠ 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 units 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 SPECIFICATION

Power Supply: 100-240 V AC, 50/60 Hz

Power Consumption: 200 W

IP Rating: IP20

Protection Class: I

Power Connection: P-Con input (blue), power cable with safety plug included

Output Power: 1 x P-Con (gray)

LED: 2 x 100 W COB 2-in-1 BCL CW/WW (homogeneous color mix)

Color Temperature: 3200K – 6400K

Flash Frequency: 0-20 Hz

DMX Channels: 4; 8

DMX Connections: 3-pin XLR (M) input, 3-pin XLR (F) output

Cooling: Fan

Control: Standalone, Sound, DMX

Housing Color: Black
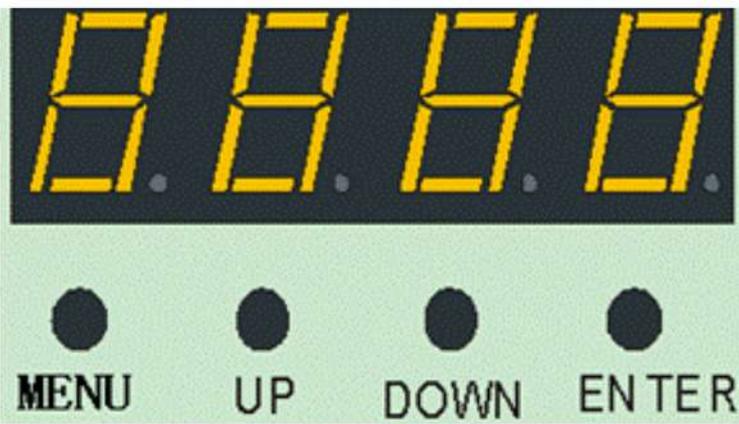
Dimensions: 37 x 24 x 15 cm

Weight: 3.42 kg

Eco-design Regulation: Yes

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DISPLAY OPERATION INSTRUCTION

Operating instructions of display board:

After power on, press the menu key to switch the menu, press up or down to select the set value, press enter to save after setting, and the display will flash once to indicate the data to be saved

Key function (Menu up and down confirmation):

Menu: select various functions
Up: function parameters are selected step by step
Down: function parameter decreasing selection
Confirm (): determines the current menuENTER

Menu function :

After power on, press the menu key (menu key) to display the following functions in turn, and then press the confirm key to confirm.(this order is the order of new machine. If the lamp has used other modes and saved the mode before shutting down, the mode before the last shutdown will be displayed after the lamp is turned on again). After other functions are set, you need to press the save key to save, otherwise the setting effect before shutdown will not appear after the next boot.

A001	➡	A512	8In channel mode, press up / down to select address code (A001 ~ A512), and press enter to save address code
d001	➡	F512	8In channel mode, press up / down to select address code (D001 ~ D512), and press enter to save address code
FF00	➡	FF99	In gradient mode, press up / down to select the running speed (ff00-ff99), and press enter to save the current running speed.
EE00	➡	EE99	In pulse mode, press up / down to select running speed (ee00-ee99), and press enter to save current running speed.
CC00	➡	CC99	In jump mode, press up / down to select the running speed (cc00-cc99), and press
			enter to save the current running speed.
Soud	➡	Soud	Audio Mode
R001	➡	W1-255	Manual W1 color adjustment: when there is no console, press up / down to adjust brightness between r000-r255, and press enter to save
G001	➡	N1-255	Manual N2 color adjustment: when there is no console, press up / down to adjust brightness between g000-g255, and press enter to save
B001	➡	W2-255	Manual W2 color adjustment: when there is no console, press up / down to adjust brightness between b000-b255, and press enter to save
W001	➡	N2-255	Manual N2 color adjustment: when there is no console, press up / down to adjust brightness between w000-w255, and press enter to save
S-01	➡	S-99	For the number of wireless remote control units, press the up / down keys to select the number of remote control lamps (s-01-s-99), and press the confirm key to save them. The maximum number is 90,
Id01	➡	ID99	Wireless remote control ID address: press up / down to select the ID address between (id01-id99), and press the confirm key to save it. This function is useful for horse running effect
SW-0	➡	SW-1	Press the up / down keys to select the remote control function on and off (sw-0 off / SW-1 on), and press the confirm key to save

Note: remote control is optional

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3. DMX CHANNEL PROFILE

A001 and D001 channel value description

8 channels	Channel value	function
1	000-255	Total dimming
2	000-255	0-9No stroboscopic 10-255Stroboscopic speed from slow to fast
3	000-255	Built in mode
4	000-255	Built in mode speed
5	000-255	The brightnessofW1 color is adjusted from small to large,
6	000-255	The brightness of N1 color is adjusted from small to large
7	000-255	The brightness ofW2 color brightness from small to large
8	000-255	The brightness of N2 color is adjusted from small to large

Description of channel D001

8 channels	Channel value	function
1	000-255	Total dimming
2	000-255	The brightness of W1 color is adjusted from small to large,
3	000-255	The brightness of N1 color is adjusted from small to large
4	000-255	W2 color brightness from small to large
5	000-255	The brightness of N2 color is adjusted from small to large
6	000-255	0-9No stroboscopic 10-255Stroboscopic speed from slow to fast
7	000-255	Built in mode
8	000-255	Built in mode speed

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Use of common functions:

1. DMX512 control, after power on, set the digital display board to A001 or D001, and then connect the console with the PA lamp with the signal line. The PA lamp digital display board connected with 512 signal will not flash (if the digital display board continues to flash, it means that the LED PA lamp has not received 512 signal, please check the lamp, signal line and console). As long as the address code is set correctly, it is OKTo control LED lights with 512 console.

2. Ff00 (gradient mode), ee00 (pulse mode), cc00 (jump mode), and sound (voice control mode), as long as you use the menu, press the confirm key to use the relevant functions.

3. 2Three core signal lines are used to connect two or more lamps of the same type. If any host is set to voice control or gradual change, pulse change, jump, and other lamps are in A001 or D001 mode, the master-slave mode will be entered, and the display screen of the slave will not flash (flashing means that the machine has not received the signal, so check the connection line)

Special attention: only one host can be set in a group of lamps. If there are more than one host, all lamps will flash randomly and not synchronize.

Current regulation (this section is factory settings):

Matters needing attention:Before adjusting the current, use 512 console to adjust the color of the current to be adjusted to the brightest. Observe the current value of each color. If there is one that fails to meet the current requirement value (or the power of that color), press the following operation to operate the current. Before entering the current regulation mode, to adjust the current, push the control panel button to the top,Then set the current size of each channel up and down in the setting.

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In A001 mode, press and hold the menu key for 5 seconds to enter the current setting mode. After entering, press the menu key once to change a function. The menu is indicated by the arrow.Each menu can be set by other keys.

⬇

R032	➡	R255	Press the up key or down key to select the value of r032-r255 to adjust the current size.Press the confirm key to save
G032	➡	G255	Press the up key or down key to select the value of g032-g255 to adjust the current size.Press the confirm key to save
B032	➡	B255	Press the up key or down key to select the value of b032-b255 to adjust the current size.Press the confirm key to save
W032	➡	W255	Press the up key or down key to select the value of w032-w255 to adjust the current size. Press the confirm key to save
SEND	➡	SEND	Send is the current sending mode. Press the up key or down key once to send the current setting parameters to the slave machine, so that the current of the slave machine is set to the same current as that of the host computer.Press the confirm key for 5 seconds to save the setting parameters and exit automatically.Display A001

After setting a color, press the confirm key to save. The display will flash once when saving,

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4. 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.

5. 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.

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