

User's Manual

Please read the instruction carefully before using

CATALOGUE

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1.Safety Instruction



Warning

Please read this manual carefully, which includes important information about installation, using, and maintenance.

- Please keep this manual as a reference, if you sell the product to other users, make sure they have access to this manual as well.
- Before using the lighting, please check carefully to make sure that there is no damage caused by transportation. If yes, please do not use and contact the dealer for the first time.
- The lighting is only suitable for indoor and dry environment.
- The installation and operation of lights should be carried out by professionals.
- Use safety harness when fixing equipment.
- The equipment must be installed in a well-ventilated area, at least 50 cm from the adjacent plane.
- Make sure the ventilation holes are unobstructed to avoid overheating when the lightings are working. Do not use the light in more than 40 °C environment.
- Ensure that the power supply voltage is in line with the requirement of the equipment before operation.
- The shortest distance between all exterior surface and combustible materials is 2.5m.
- It is forbidden to connect the lighting directly to the dimmer.
- A small amount of smoke or peculiar smell may occur during the work of the new lighting, which will disappear after a few minutes.
- Do not place combustible materials near the lighting when it is working, in case of fire danger.
- Please check whether the power line is broken before turning on the lighting, please replace it immediately if there is any damage.
- Lightings runtime surface temperature of 60 °C, please do not touch with bare hands.
- Avoid long time to turn on lighting, so as not to shorten the life of lighting.
- Avoid the metal and other conductive body into the interior of the lighting, so as to avoid electric shock or fire. If any foreign body enters the lighting, please cut off the power immediately.

- Avoid the metal and other conductive body into the interior of the lighting, so as to avoid electric shock or fire. If any foreign body enters the lighting, please cut off the power immediately.
- Avoid operation in dirty and dusty environment, and regularly clean and maintain the lighting.
- Children are not allowed to contact/operate lighting.
- Do not touch the wire when the lighting is working in case of electric shock.
- Avoid winding of power cord and other wire.
- Please use the same model when replacing the fuse.
- If there is a serious malfunction, please stop using it immediately.
- Please do not look directly when the lighting is working.
- The product may emit harmful optical radiation.

Warning

- Do not expose the lighting to rain or humidity in order to prevent or reduce the danger of electric shock and fire.
- Shut off for 5 minutes.
- The lighting housing, when the lens has obvious damage, please replace it in time.

If AC 230V~50Hz power supply is used, do not connect more than 3 lights in series, please use another power supply to provide power for the next set of 3 light sets; If AC 120V~60Hz power supply is used, do not connect more than 2 lights in series. Please use another power source to provide power for the next set of 2 lights.

Attention

There is no spare parts inside the lamp, please do not open the shell without authorization. Please contact the nearest technical service center if necessary.

Installation

The lightings should be screwed to the bracket. Make sure the installation is strong enough to prevent flicking and sliding at run time. Also make sure the fixtures are stable

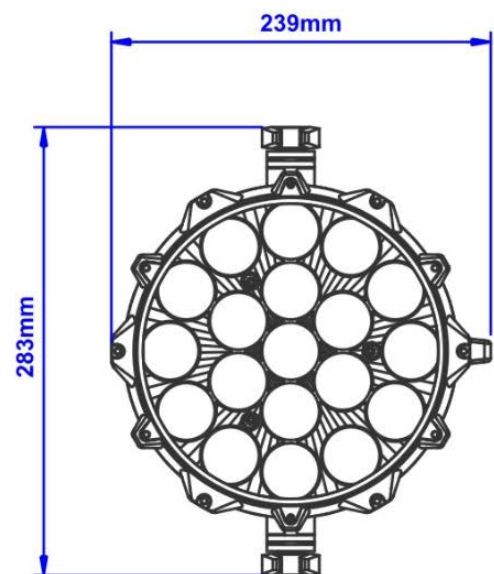
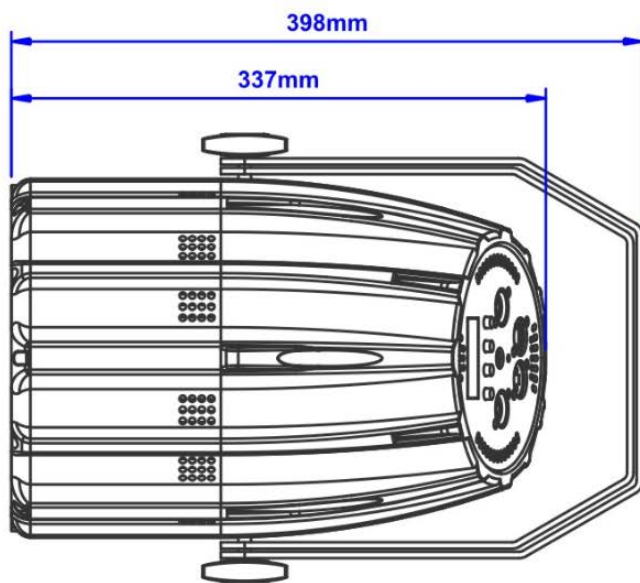
and support the weight of more than 10 times the equipment. At the same time, when the

installation of the equipment, can use under 12 times the product of the weight of the safety rope.

Equipment must be installed by professionals. The lighting is to be installed on the human body, and there will be no passers-by or seats.

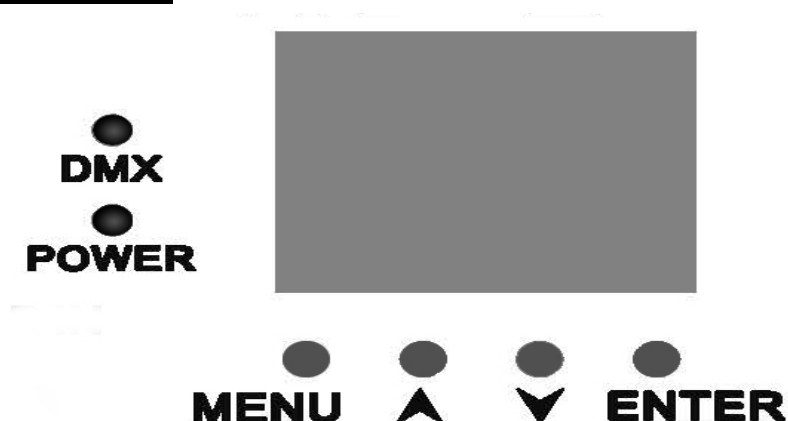
2. Technical specifications

- DMX channels: 10/5CHS
 - 0~100% smooth linearly dimming, multiple stroboscopic speed
 - Strobe: High speed electronic strobe, 1-25time/sec
 - Control mode: DMX512, Auto, Master/Slave, Sound
 - liquid crystal display
 - Beam angle: 10° - 60°
-
- Power supply: AC 100-240V, 50/60Hz
 - Power consumption: 300W
 - LED source: 19pcs x 15W, RGBW 4 in 1 OSRAM LEDs
 - Protection rate: IP20
 - Cover: Cast Aluminum
 - Dimension size: 226×285×380 mm
 - Packing size: 270×270×480 mm, 560×290×510mm(2 in 1 carton)
 - N.W: 6.9kg
 - G.W: 14.5kg



3. How to set the light

3.1 Control Panel



① **Display** : Displays menu options and selected functions

② **Button** :

MENU	Selection
DOWN	Select the next menu option
UP	Select the previous menu option
ENTER	Confirm the selected functions

POWERCON Input: To provide electricity for connecting the light

POWERCON Output : To provide electricity for connecting the next light

DMX Input : Using 3XLR DMX signal cable

DMX Output : Using 3XLR DMX signal cable to connect the next light and output DMX signal

3.2 Main functions

To select a preset feature, press the MENU button to select the MENU option you want. Press ENTER button to ENTER the selected function, the display screen will blink, then use the UP/DOWN button to select the desired function, press ENTER button to confirm. To return to the main MENU, press the MENU button.

The main functions are shown below,

main menu	secondary	Three-level menu	Quad menu	Five-level menu	default
Manual	Function	Manual/DMX/Knob			DMX
	Static	-》	R	000/255	255
			G	000/255	255
			B	000/255	255
			W	000/255	255
			M	000/255	255
	Jump	000-255			200
	Gradient	000-255			200
	sound	0-1			0
Set-up	Function	Manual/DMX/Knob			DMX
	DMX address	000-512			001
	CH mode	6-10			10
	DMXsignal	Maintain/Always			Maintain
	Fan mode	Control/Always			Control
	Dimming bit	16bt/08bt			16bt
	Frequency	1-22K			14K
	Curve	Linear/Square/Anti/S-line			Linear
	Thermometer	° F/° C			
	reset	No/Yes			No
System	V1.0				
	Centre/EN	Centre/EN			EN
	Invertsd	Off/On			Off
	Screensaver	Off/On			Off
	Style	Blue/Black			Blue

4. How to control the lighting

The lighting can be controlled in two ways as below:

1. The Master/Slave Machine Built-in Function;
2. DMX Controller.

No need to turn off the power of the lighting, and the new address code can be set immediately. Open the lighting, it began to receive DMX signal.

4.1 Master/Slave Built-in Function

String many sets of lightings, first walk in the lighting and acoustic control under the function of 1, 2, 3 (host, the host indicator, sound control indicator lights flashing, signal input connectionless), will control the other lights (vice machine, machine signal connection indicator) and the host with step effect.

The usage and match of signal cable and XLR connector

A. DMX mode: Connect signal cable from the DMX output of the controller to the input of the first light, and connect to the DMX input of second light from the DMX output of the first master light, analogously, till connected all the slave lights, and insert the last connector to the output of the final light.

B. Master and slave mode: Connect signal cable from the DMX output of the the first master light, and connect to the DMX input of second slave light from the DMX output of the first master light, analogously, till connected all the slave lights, and insert the last connector to the output of the final light. For master and slave mode setting, please refer to the function settings above.

Notice: there is only on master in the one circle connection, all the light cannot connect to the controller, otherwise, there will be confusion for slave light.

DMX Address Settings

Each light should be set with a particular starting address code. According to the actual requirements or easy to use, users can either set multiple lamps with the same address code; also can set each lamp with an independent address code. Setting multiple lamps with the same address code, then they will all accept DMX512 channel signals start from a same address code. Thus, all connected lamps will be controlled together.

Setting each lamp with different address code, the next light's DMX address is depend on the light DMX channels.

4. How to control the light

The light can be controlled in two ways as below:

1. The Master/Slave Machine Built-in Function;
2. DMX Controller.

No need to turn off the power of the lighting, and the new address code can be set immediately. Open the lighting, it began to receive DMX signal.

4.1 Master/Slave Built-in Function Serial connection of multiple lights,

the first light will control other lights to synchronize with the Master under the functions of Auto and Sound control 1, 2 and 3.

4.2 CommonDMX Controller

When using the commonDMX controller to control the light, please set the starting address code for the light (1-512) so that it can receive DMX signal.

Press **MENU** button till display **Address**, press **ENTER** button, display will flicker, choose **UP/DOWN** button to select the address code, press **ENTER** to save, or not save go back to the previous menu, Back to the main menu, please click **MENU**. If you want to use this function, Please refer to below diagram of DMX512 address code setting of the first 4 lights.

5. DMX512 Channels

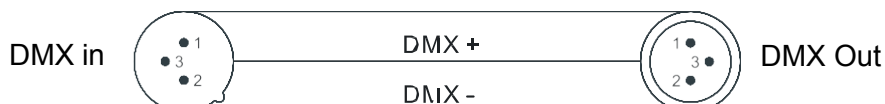
10 CHS DMX Mode

No.	Functions	Descriptions
CH1	Focus	(0-255) Focus adjustment
CH2	Master dimming	(0—255) R、G、B、W Master dimming, linearly dimming from dark to bright
CH3	Master strobe	(0—255) R、G、B、W Master strobe from slow to fast
CH4	R dimming	R dimming (0—255) linearly dimming from dark to bright
CH5	G dimming	G dimming (0—255) linearly dimming from dark to bright
CH 6	B dimming	B dimming (0—255) linearly dimming from dark to bright
CH 7	W dimming	W dimming (0—255) linearly dimming from dark to bright
CH8	Color selection	Color combination
CH 9	Auto & Sound	(0-5) empty; (6—40) CJ; (41—80): CF; (81—120): CJ, CF, (241-255)soud;
CH10	Automatic running speed	(0-255) Speed will turn slow, (0) Max speed.

5CHS DMX Mode

CH1	Focus	(0-255) Focus adjustment
CH 2	R dimming	R dimming (0—255) linearly dimming from dark to bright
CH 3	G dimming	G dimming (0—255) linearly dimming from dark to bright
CH4	B dimming	B dimming (0—255) linearly dimming from dark to bright
CH 5	W dimming	W dimming (0—255) linearly dimming from dark to bright

6. DMX512 Connecting



In order to reduce signal errors and avoid signal transmission problems or signal interference.

It better to add a resistance with 120 ohm 1/4W between PIN2 and PIN3 at the DMX connection end of the last light.



1. Use XLR Signal cable to connect the light, one side connect with the output of the light, and the other side connect with the input of the next light. XLR signal cables can only be used in series, not in parallel. DMX512 signal transmission is very fast. If any damaged, weak welding, poor contact of the signal cables, which will affect the signal transmission causing the system off.
2. When a unit's power supply is cut off, the connection of DMX output and input is bypass, so that they can continue maintain the connection of DMX line.
3. On the last light, the DMX wire needs an amplifier. Welding a 120 - ohm quarter w resistor between pin2 and responsible, within XLR plugs into 3 - pin and insert it in the end of a light DMX.
4. Each light, want to have an address to receive information from the console, range between 1-512 (usually 0 and 1 and 1 equal).

7. Fault Handling

Here are some of the problems that are common in working and some Suggestions for breaking down:

A. Lighting does not work, no lights.

1. Check the power contact condition and whether the fuse is in good condition.
2. Detect the voltage.

B. Out of Control by DMX

1. The DMX indicator must be on. If not, check the DMX signal connector and signal line to see if the connection is correct.
2. If the DMX indicator is on, but there is no response to channel control, and check the address code is set correctly.
3. If the DMX signal transmission is intermittent, to check if the Canon is in good connection with the signal line.
4. Try it again with another controller.
5. Check whether the DMX signal line is too close to the high voltage line, which can damage or interfere with the signal circuit.

C. Out of control by Sound

1. Make sure the light does not receive DMX signal.
2. Check if the microphone for damage.

D. One certain channel does not work

1. The drive line may be damaged or loose.
2. The drive circuit may be damaged.

8. Cleaning and maintenance

The light must be cleaned regularly so that the lighting effect is better. The cleaning frequency

depends on the environment. Wet, smoggy, dirtier environments tend to dust the lenses.

1. Use a soft linen and a special glass cleaner;
2. Carefully wipe the cadres.
3. Clean the exterior of the light once every 20 days at least once every 30 days or 60 days.

