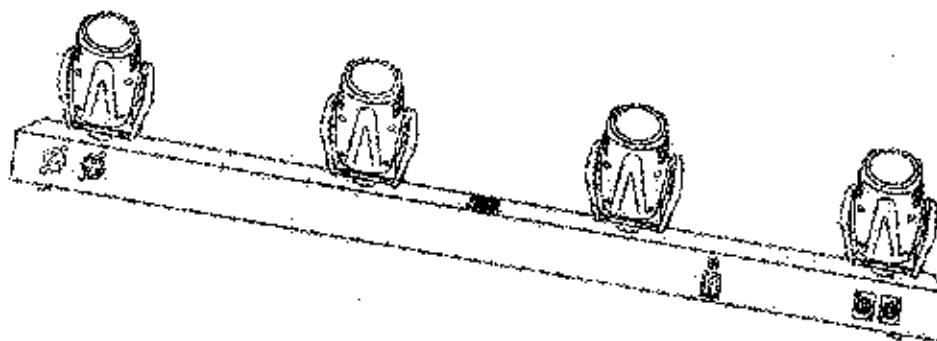


USER MANUAL

RGBW 4IN1 LED BEAM MOVING HEAD

Model: LED 4BEAM



CE

Please read over this manual before operation the light

Dispacking

Thank you for choosing indoor LED 4pcsx10w beam moving head. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

This adopts powerful LED lamps which features high brightness and stability. Please carefully displace it when you receive the fixture and check whether it is damaged during the transportation.

And please check whether the following items are included inside the box:

Power Line (1PCS)

User Manual (1PCS)

Product specification

VOLTAGE: 90-240V AC, 50/60HZ

RATED POWER: 120W

LED: 4 PCS 10W RGBW 4IN1 high power LED (LUMINENGIN)

Extremely Long Life: 5000Hr and low power consumption

DMX channel: 6/29channels

Strobe: effect with 1~25flashes per second and pulse effect

Tilt: 265degree

Control mode: DMX512/Master-Slave/Auto run

Preset program:8 built in programs can be called up via DMX controller

Weight: 8kg

Packing size: 117*17*22cm

Safety Instructions

**CAUTION!**

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

**Important:**

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature. This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it.

Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

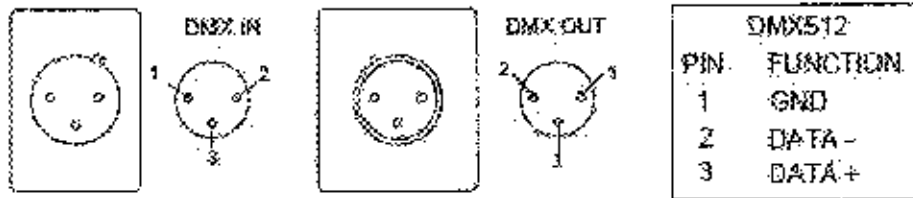
During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of these luminaries is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Control System and Power Connection



Connection between the controller and a light and between one projector and another must be made with a 2 core-screened cable, with each core having at least a 0.5mm diameter. Please use the projector's cannon 3-pin signal input and output cables as connection. The 3-pin signal connections are connected as shown in the figure above.

Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way.

This model accepts digital control signals in protocol DMX512 (1990).

The amount of light connected in parallel is not more than 32. Connect the controller's output to the first fixture's input cable with a 3-pin signal cable, connect the first fixture's output cable to the second fixture's input cable and connect the rest fixtures in the same way. Eventually, connect the last fixture's output cable to a DMX terminator. **Note:** Only when all the start addresses of fixtures are set the same, synchronous control could be achieved.

When the first fixture is not connected to the controller, and all the other connections are the same as above, it is master / slave mode connection. To achieve master / slave mode, set the first fixture master, the others slave (slave is default).

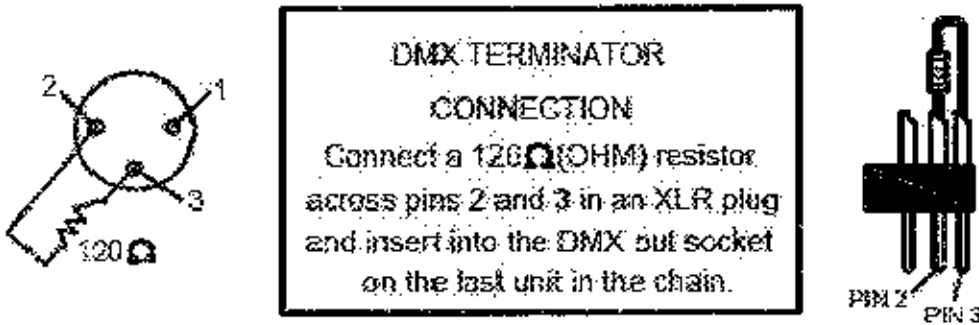
As for power connections, each light has to be supplied separately by external power. Use the power cord of each par can to connect the mains power directly, paying attention to the voltage and frequency marked on the panel of the projector.

Use the power cord of the first light's power in cable connect to the mains power directly, then connect the first fixture's power out cable to the second fixture's power in cable and connect the rest fixtures in the same way. Eventually, all fixture connect finished. When using voltage is 200V, 220V, 230V, 240V, the amount of lights connected is not more than 15.

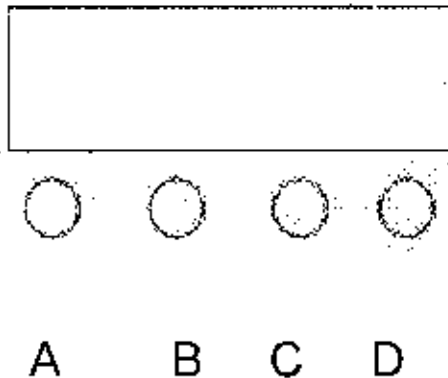
DMX Terminator

In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



1. LED Display operation



- A. Function Key
- B. Add Key
- C. Decrease Key
- D. Confirm Key
- E. LED Display

Instructions: Press the function key A cycled out of eight different functional effects, LED Display's first two digits represents the current function (see menu). The last two digits represent the kinds of functions which the Address code or speed. Press B or C key to modify the parameter values. Press the D key to confirm.

2. LED Display functions in DMX MODE:

Press the D key to confirm after all functions by selected.

No.	Display	Functions
1	A001	6CH Address Code, (001—512)

2	H001	B、C Key to add or reduce address value 29 CH Address Code, (001—512) B、C Key to add or reduce address value
3	CC00	Hopping, (01—99) B、C Key to change speed
4	CP00	Gradual change, (01—99) B、C Key to change speed
5	DE00	Variable pulse, (01—99) B、C Key to change speed
6	BEB1	Voice running changes __ 1
7	R220	RED color selection, (000—255) B、C key choose color.
8	G220	Green color selection, (000—255) B、C key choose color.
9	B220	Blue color selection, (000—255) B、C key choose color.
10	W220	White color selection, (000—255) B、C key choose color.
11	ID00	DMX512 ID, (00—51) ,ID=0 is close ID After press D key, B、C key can change DMX512'S ID Value, After start ID, It will appear ID Value 5sec when every time starting up.
12	FROM	slave

DMX Channel Control

DMX 6 Channel:

CH	Functions	Explain
CH 1	X	X
CH 2	Y	Y
CH 3	R Dimmer	R Dimmer, Linear Dimmer, from Dark to light
CH 4	G Dimmer	G Dimmer, Linear Dimmer, from Dark to light
CH 5	B Dimmer	B Dimmer, Linear Dimmer, from Dark to light
CH 6	W Dimmer	W Dimmer, Linear Dimmer, from Dark to light

DMX512 29 Channel

CH	Functions	Explaining
CH 1	General Dimmer	RGBW General Dimmer, Linear Dimmer, from Dark to light
CH 2	General Strobe	RGBW General Strobe, Speed From slow to fast
CH 3	R1 Dimmer	R1 Dimmer, Linear Dimmer, from Dark to light

CH 4	G1 Dimmer	G1Dimmer, Linear Dimmer, from Dark to light
CH 5	B1 Dimmer	B1Dimmer, Linear Dimmer, from Dark to light
CH 6	W1 Dimmer	W1Dimmer, Linear Dimmer, from Dark to light
CH 7	R2 Dimmer	R2Dimmer, Linear Dimmer, from Dark to light
CH 8	G2 Dimmer	G2Dimmer, Linear Dimmer, from Dark to light
CH 9	B2 Dimmer	B2Dimmer, Linear Dimmer, from Dark to light
CH 10	W2 Dimmer	W2Dimmer, Linear Dimmer, from Dark to light
CH 11	R3 Dimmer	R3Dimmer, Linear Dimmer, from Dark to light
CH 12	G3 Dimmer	G3Dimmer, Linear Dimmer, from Dark to light
CH 13	B3 Dimmer	B3Dimmer, Linear Dimmer, from Dark to light
CH 14	W3 Dimmer	W3Dimmer, Linear Dimmer, from Dark to light
CH 15	R4 Dimmer	R4Dimmer, Linear Dimmer, from Dark to light
CH 6	G4 Dimmer	G4Dimmer, Linear Dimmer, from Dark to light
CH 17	B4 Dimmer	B4Dimmer, Linear Dimmer, from Dark to light
CH 18	W4 Dimmer	W4Dimmer, Linear Dimmer, from Dark to light
CH 19	X1	X1 Motor
CH 20	Y1	Y1 Motor
CH 21	X2	X2 Motor
CH 22	Y2	Y2 Motor
CH 23	X3	X3 Motor
CH 24	Y3	Y3 Motor
CH 25	X4	X4 Motor
CH 26	Y4	Y4 Motor
CH 27	Motor Speed	1–250 Motor, speed from fast to slow 251–255
CH 28	Functions	0–30: DMX 29CH; 31–50: Gradual change; (Motor control) 51–70: Pulsating Variable; (Motor control) 71–90: Running; (Motor control) 91–110: Sound1; (Motor control) 111–130: Sound2; (Motor control) 131–150: Gradual change; (Motor not controllable) 151–170: Pulsating Variable; (Motor not controllable) 171–190: Running; (Motor not controllable) 191–210: Sound1; (Motor not controllable) 211–230: Sound2 (Motor not controllable) 231–255: Empty
CH 29	DMX512 ID	ID 1 5–9 ID 2 10–14 ID 3 15–19 ID 4 20–24 ID 51 255 This function is at the same address code, the maximum

Maintenance and Cleaning

To prolong the life of the projector, it is very important to do the maintenance work.

The environment is harsh outdoors, or if the projector is idle for a long time, damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on its cover and housing. So it should be cleaned to maintain an optimum light output and at the same time to prevent it from corrupted by acid gas.

Cleaning frequency depends on the environment in which the fixture operates.

Soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean projector at least once every 20 days.

Do not use any organic solvent, e.g. alcohol, to clean housing of the apparatus.