
Instruction Manual

LED Strobe Light

Model: BI-LD004



PROFESSIONAL LED · PROFESSIONAL LIGHTING

At first, thank you for purchasing this LED Strobe Light. For the sake of safety and regular operation of this projector, please read this manual carefully before using and operating it, lest incur any personal injury or damage to the projector.

Product instruction:

➤ The device adopted high-quality bright LED as luminous source, having the advantage of small power consumption, no heat, long life span, high reliability. With 260 pcs led diodes in red, green,blue ,it can be realize various lighting effect. Different patterns would be changed flexibly with music or sound. It has four control modes: automatic control, DMX-512 control, Sound control and master-slave synchronization control. The standard international DMX-512 signal control makes the difference between our products and other's.

➤ **Specification:**

Lighting Source: 260 pcs 10mm LED diodes

Multi-voltage operation: AC 110V-230V, 50--60HZ

Power consumption:50w

Working environment: indoor 20⁰C-40⁰C

Function model: DMX-512 controlled, music controlled, Automatic, Master/slave

Channel: 6 Channels with standard DMX 512 signal

Packing size: 510×230×210mm

➤ **Installation instruction:**

After unpacking, please check whether the device has been damaged on the way of transporting, such as screw loosening, reflecting mirror broken, etc.

Check before electrification. Check whether the device has been laid correctly and stably, whether the voltage of the power is adapted to the requirement, otherwise we'll not be responsible for the damage of the light.

This projector is the first class protected equipment. Noticed that ground wire have to connect to the earth properly by professionals. Please make sure the actual input voltage is complied with the requirement of the device.

➤ **Address code for function setting**

ON	OFF	Function
1	2.3.4.5.6.7.8.9.10	Red diodes brighten
2	1.3.4.5.6.7.8.9.10	Green diodes brighten
3	1.2.4.5.6.7.8.9.10	Blue diodes brighten
5	1.2.3.4.6.7.8.9.10	RGB strobe (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
5.6	1.2.3.4.7.8.9. 10	GR diodes strobe (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
5.7	1.2.3.4.6.8.9.10	RG diodes strobe (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
5.8	1.2.3.4.6.7.9.10	RB diodes strobe (The frequency of strobe could be adjusted from slow to quick by turn on

		4.3.2.1 one by one)
6	1. 2. 3. 4. 5. 7. 8. 9. 10	RGB diodes change by turns (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
7	1. 2. 3. 4. 5. 6. 8. 9. 10	RGB diodes change jumping (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
8	1. 2. 3. 4. 5. 6. 7. 9. 10	RGB diodes sound controlled (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
5. 9	1. 2. 3. 4. 6. 7. 8. 10	RGB diodes sound controlled and flashing (The frequency of strobe could be adjusted from slow to quick by turn on 4.3.2.1 one by one)
1. 10	2. 3. 4. 5. 6. 7. 8. 9	DMX512 controlled

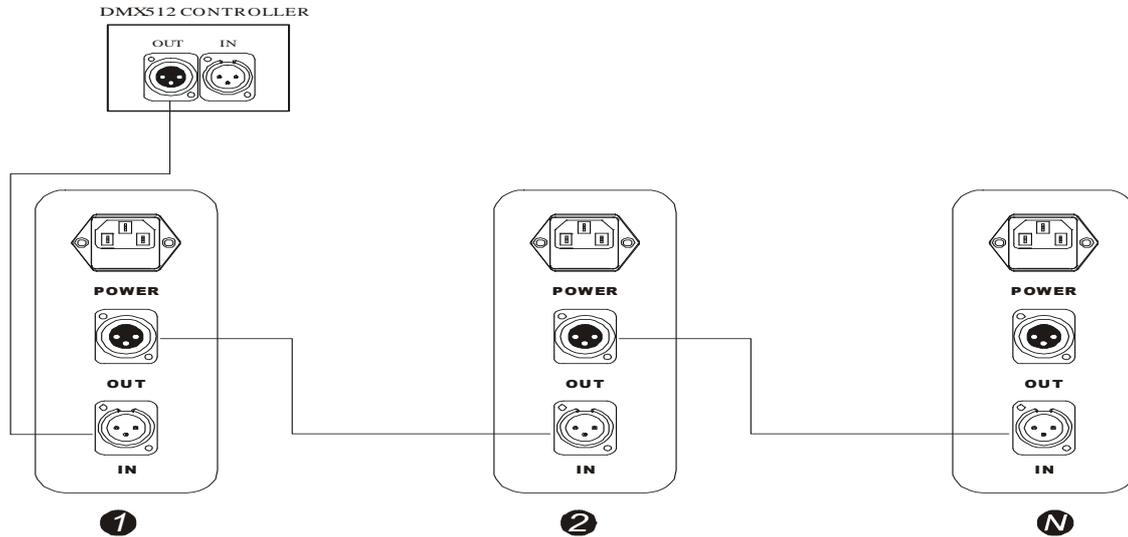
DMX-512 Function

Channel	Function	DMX512 Value	Function	
CH1	Brightness adjustable	0-255	The brightness of device from dark to brightness	
CH2	Flashing	0-255	From slow to quick	
CH3	Red diodes brightness adjustable	0-255	CH1 is turned on, red diodes controlled from dark to brighten	Strobe frequency is according to CH1 and CH2
CH4	Green diodes brightness adjustable	0-255	CH1 is turned on, green diodes controlled from dark to brighten	
CH5	Blue diodes brightness adjustable	0-255	CH1 is turned on, blue diodes controlled from dark to brighten	
CH6	showing mixed color(strobe frequency is according to CH 1 and CH 2)	0-10	RGB turned off	
		11-30	Blue diodes brighten	
		31-50	Green diodes brighten	
		51-70	Green and blue diodes brighten	
		71-90	Red diodes brighten	
		91-110	Red and blue diodes brighten	
		111-130	Red and green brighten	
131-255	Red, green, blue brighten			

Signal Connection

This product is assembled with DMX input and output 3 pins XLR socket, while all connection is that Pin 1 is connected to the ground, Pin 2 is connected the negative pole signal, Pin 3 is connected the Positive pole signal.

This product applies for 3 pins XLR socket, the connection of many units as following:



- **NOTICE:** 1. No overloading connection, the same branch without over 32 units.
- 2. Terminal matching connection, connect a resistance of 120 ohms between the Foot 2 and Foot 3 of DMX output Pin 3 socket of the last equipment of the branch

DMX-512 address code set:

This unit is equipped with 6 channels, while the address code of the first light is 1, the second $6+1=7$, the third $6+7=13$, and others so on

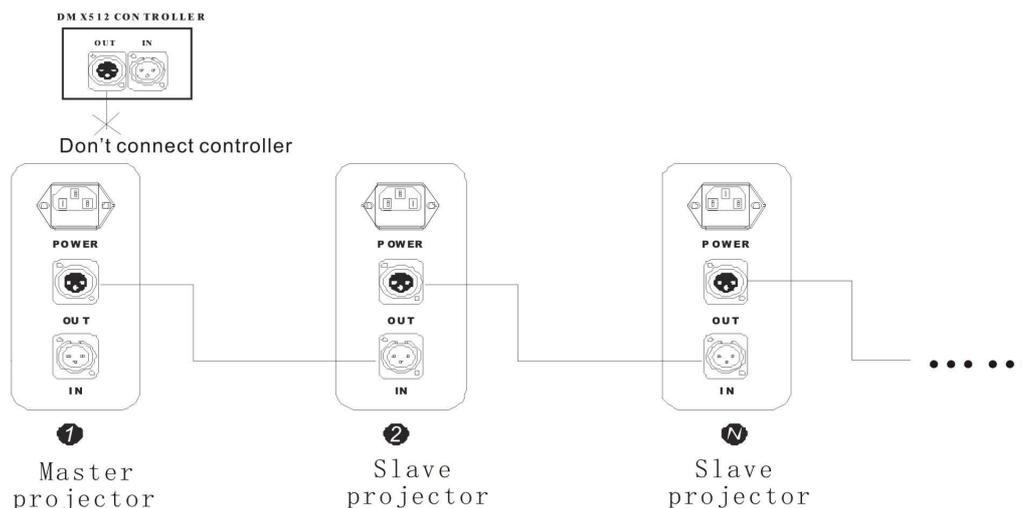
Detailed DMX-512 address code set as following:

Light NO.	Original address	Binary Code Dialing (ON)
1	1	1
2	7	1、2、3
3	13	1、3、4
4	19	1、2、5
5	25	1、4、5
6	31	1、2、3、4、5
7	37	1、3、6
8	43	1、2、4、6
9	49	1、5、6
10	55	1、2、3、5、6
⋮	⋮	⋮

Notice about Master-slave synchronization:

1. When the master machine is running, the light will send DMX-512 signals. However, it can't be connected to the controller, otherwise, they will interrupt each other, thus that can not be synchronized.
2. While many lights are using master-slave synchronization, only one of them can be master, or they can't be synchronized

Schematic diagram for setting Master/ slave Model:



Safety Information:



1. Please make sure to switch off the power before installation or maintenance.
2. Please keep the fan expedite and environment ventilated.
3. This laser projector is designed for the indoor, so while using, please avoid any dripping. If you want to use outdoor, please do enough waterproof measure.
4. Please get acquainted with the properties the light before Installation, operating or maintaining, as most damage are caused by wrong operating without acquaintance.
5. Do not use any power voltage or light type of different specifications.
6. Please do not look at the laser light directly, in case it might damage the eyes.
7. Avoid electric shock!
8. Do not use it frequently under the humid atmosphere.

➤ Maintenance:

We suggest that clean the light with professional glass cleaning and downy cloth. Keeping the light clean regularly can not only get the largest power of the light.