

*light*  
**BIG**

# LASER DISPLAY SYSTEM

Model: BE006  
BE005  
BE004

## USER MANUAL

# BEAM LASER USER MANUAL

MODEL: BE006、BE005、BE004

Please read this manual carefully before operating the LASER display system.

## Notices

1. Do not self disassemble or repair the system unless qualified in the relevant field of electronics. When there is a problem, please enquire or contact a qualified electrician, or with your local dealer.
2. Installation should be made by professional technician.
3. Do not exposure the system to wet and a dirty dust-laden environment.
4. Do not touch the system by wet hand and forcefully pull the power cable.
5. Do not turn the system on and off frequently, avoid to turn on it for a long time.
6. Prevent the subjection of strong vibration or G-shock to the system.
7. Prevent foreign subjects from entering the system.
8. Allow at least 1 meter of clear proximity from the system when installed.
9. Connect the power cable only when the system has

been installed.

10. Before connecting or disconnecting the power, adjust the luminance of the LASER diode to avoid any damage to it.
11. Before powering on the system, be sure the power cable is connected into the power socket.
12. Turn off the system for 25 minutes after running continuously for three hours; ensure the system is able to cool down in a suitable environment.
13. When to be transported, use the original package to avoid damage.

## Inspection

Check that the following components are present within the package when receiving system - from the list bellow:

- |                          |                 |
|--------------------------|-----------------|
| 1 x LASER display system | 1 x User manual |
| 1 x Power cable.         | 1 x DMX cable   |

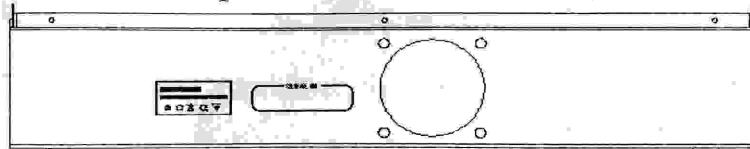
## Installation

1. Be sure that there is no flammable or explosive subjects nearby. The least clear proximity from the system should be 1.5 meters. At the same time, keep more than half a

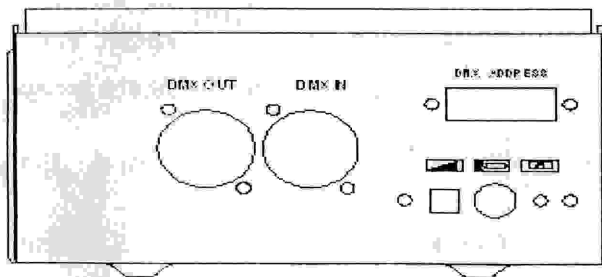
meter between the wall and LASER display system.

2. Be sure the power socket output voltage matches that off the LASER display system.
3. Ensure the fan and the exhaust is not blocked.
4. The LASER display system should be statically fixed.
5. It is essential to be earthed well for the sake of safety.

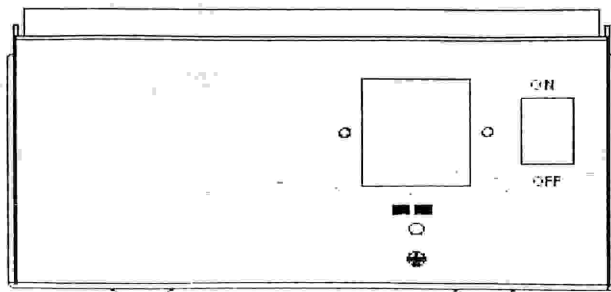
Back panel (BE006、BE005)



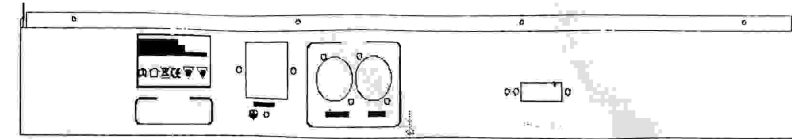
Side panel (BE006、BE005)



Side panel (BE006、BE005)



Back panel (BE004)



**DMX ADDRESS:** Binary address switch.

**DMX IN:** DMX512 signal input

**DMX OUT:** DMX512 signal output

**ON、OFF:** Turns the system on/off

**F3AL 250V:** Input power with internal fuse (3A)

**ADDRESS:** DMX address setup

1. When the 10th code is ON, the function of 1-9 codes is the following

The 1st code is off---sound control mode

The 1st code is on---AUTO play mode

2. When the 10th code is off---DMX control

**Remark:**

On the DMX 512 mode, the LASER display system will RBI , if the DMX 512 signal intermit.

## Technical parameters

Model		BE006	BE005	BE004
Parameter				
1	LASER diode	Green	Red/Green	Red/Green
2	Power supply	85-265V AC, 50/60HZ		
3	LASER power	532nm 50mW	650nm 100mW 532nm 30 mW	650nm 200mW 532nm 50 mW
4	Scanner angle	+/-10°		
5	Channel	DMX 8 Channels	DMX 12 Channels	
The detail of channel				
Channel NO.		DMX512 value	Content	
		<b>0-69 NO</b>		
1	Control mode	70-139	AUTO mode (Music active)	
		140-209	AUTO mode (AUTO Active)	
		210-255	Manual mode	
2	Pattern	0-41	Static pattern	
		42-255	Dynamic pattern	
3	Strobe	0-255	8 grade speed (0-255)/30=(0-8)	
4	Dot and line	0-255 Normal display		
5	Horizontal move	0-160	Manual move	
		161-220	Unilateralism move	
		221-255	Automatic loop (from right to left and left to right)	
6	Vertical move	0-160	Manual move	
		161-220	Unilateralism move	
		221-255	Automatic loop (from up to down and down to up)	
7	Zoom	0-2	Original size	
		3-92	Manual zoom	
		93-146	Automatic loop (from small to big)	
		147-200	Automatic loop (from big to small)	
		201-255	Automatic loop (from big to small and small to big)	

8	Reset (BE006)	0-255	The channel value is 200 or bigger than 200, then the system reset.	
	Color (BE005 /BE004)	<b>0-255 Red and Green</b>		
5	9	Reset	0-255	The channel value is 200 or bigger than 200, then the system reset.
	10	Encircle Y axis rotation	0-150	Manual rotation
			151-255	Auto rotation
	11	Encircle X axis rotation	0-150	Manual rotation
			151-255	Auto rotation
12	Encircle Z axis rotation	0-180	Manual rotation	
6	Control mode	Sound/auto-play/single pattern by DMX		
7	Peculiarity	Saving static and dynamic patterns. Displaying two effects (one is fast, another is slow). Can be changed by DMX, easy to operate.		
8	Effect	Displaying more than 50 light beams and patterns, displaying laser patterns specified by international laser display association, such as diffusing laser network. Slowly rotating color fan, time and space tunnel and fairy flowers. (Can be programmed with customers)		
9	Dimensions (mm)	380*160*150	380*160*150	522.4*185*116.7
10	Net weight/Gross weight	3.2/4.1KG	3.2/4.1KG	5.8/6.85KG

## Maintenance

Clean the lens regularly. Do not use a wet cloth or chemicals; use a damp cloth. The maintenance period depends of the usage frequency and surrounding conditions of the LASER display system. It is recommended that the system should be cleaned every 15 days.

## Warning

Power off any related system before maintenance.

## Disclaimer

The end-user of this product should abide by the above instructions and warnings. Performing actions which was advised not too do so as stated by this manual may void the warranty of this laser display system.