

# User Manual

## Laser show projector Celeb 2/3

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Please read this manual carefully before using the product

## **Introduction**

Thank you for purchasing this product. We always try to develop our product with high-tech and high performance to meet your requirement and exception.

The unit is designed strictly according to the international standard. The control way is single or master-slave in option. The manual include the skill parameter and detail instructions. Please read this manual carefully before using the product.

After reading it, please keep it in a safe place for future reference.

This unit has been tested at our factory before being shipped to you, there is no assembly required.

Once after receiving this product, please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation.

### Checking parts

Please check if the following parts are included:

1 x Laser

1 x User manual

1 x Power cable

1 x Hanger

**Danger Laser Radiation!**

**Avoid direct eye exposure!**

**Laser radiation can cause eye damage or skin damage  
All protective measures for a safe operation of this laser  
must be applied.**

## **Installation**

1. Please check the voltage whether is the same with the one showed on the equipment or not.
2. It must ask for the technical person and set the light safety when installation. And let the light beam at the suitable angle.
3. When install this equipment please make sure there's no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.
4. Please make sure that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe.
5. Products should be install immobility.
6. In case of safety, it's very important that to connect the earth with line.

## **Attention**

1. Please do not open the bottom cover yourself without permission. Operate it accord the user manual. Call the technician when the machine breaks down.
2. Please do not see the laser beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the laser diode to the least to avoid any damage to the laser diode.

4. This unit should be keep dry, do not use in the rain and dusty environment. It can be use in the outdoor with the water-proof cover protector.
5. Set the light immobility and try to avoid strong shake or hit.
6. Prevent dust into the equipment to avoid problems.
7. Please keep that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe when the equipment was working.
8. Before connect power, check the plug is immobility or not, power line should be connect well.
9. Please do not open or close the equipment frequently that's to avoid any affect to the life span of the laser diode, and try the best to avoid the long time working.
10. Due to the characteristic of the laser diode, after four hours working, it should be close at least 25 minutes until the laser diode cooling then work again.
11. Don't touch the light or draw the power line when your hand was wet. And do not pull the electronic power line.
12. Maintain the distance at least 3M above from the equipment to the object.
13. This equipment does not have any parts can repair for the users, please do not open the equipment.
14. When the laser diode became dim or damaged please contact the dealer timely.
15. When you want to re-transfer the product, you'd better use the original package to shockproof.

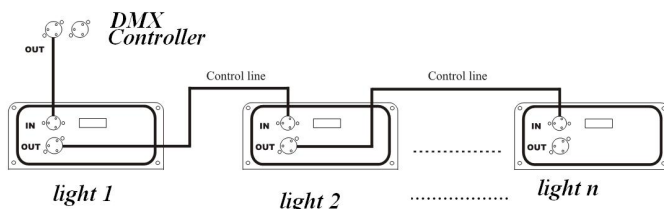
- LCD display function menu

Menu	Secondary menu
Operation Mode	DMX-512
	Auto TRG
	Music TRG
	Test Mode
DMX address	1~512
Auto Trigger	1~25
Music Trigger	1~25
Test Mode	Enable Laser
	Test Pattern1~4
Master settings	Master Size 0~255
	X Scale 0~255
	Y Scale 0~255
	Invert X
	Invert Y
Color settings	Color Shift RGB/I
	Fade 0~255
	Red 0~255
	Green 0~255
	Blue 0~255
System Config	Master/slave

	Channel 27CH/52CH
	Sound sense
	Scan-safety
	Easy ILDA
	System Reset
Device Info	DMXADDR
	T case
	Swflash LF001
	Hdw 5006.2.0
	Ver A1.1

1. DMX setting:

Input DMX signal, and the link the DMX controller and the lights by the control line as the following picture, you can control the lights by the controller.

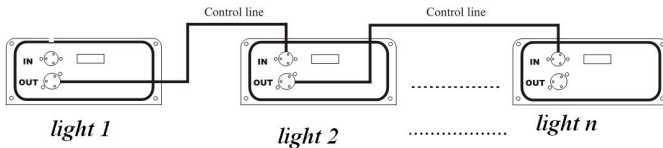


When using any controller, each one must have its own address. The first light address is set to 1, the second light address code is set to 28 or 53 (the first light address code 1 plus 27 or 52 channel), the third set of lights on the 55 or 105. (This setting also needs to be based on different console to set, now only by general practice)

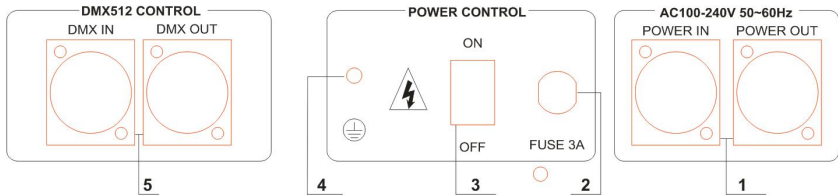
Fixture No.	Address	LCD display (No.)
1	1	1
2	28 or 53	028 or 053
3	55 or 105	055 or 105
⋮	⋮	⋮

## 2. Master-slave Setting:

Link the lights as the following picture (the light which does not receive signal, only output signal, will be the master light)



- **Using before please must be check power supply link with earth wire correctly or not.**
- **The specification of the front and rear panel:**
  1. Input rated voltage
  2. Fuse
  3. Power switch button
  4. Ground marking
  5. DMX IN/ DMX OUT: DMX signal output and input



## Technical Specifications

**Power input:** AC100~240V, 50/60Hz

**Power consumption:** 100W, 200W

**Laser:** Single color RGB

**Laser modulation:** TTL Analog

**Scanner:** 20kpps 25kpps 30kpps

**Channel:** 27CH / 52CH

**Control mode:** sound, auto, master-slave, dmx, ilda

**Cool system:** forced air cooling system

**Working temperature:** 0°C - 35°C

**N.W./G.W.:** 10kg/12kg (1pc)

**Package size:** 60 x 35 x 28cm

## DMX-512 Channel Introduction:

### 27CH:

Channel		Value	Parameter description
CH1	IPLAY mode	0~31	Black
		32~63	Manual play
		64~95	Auto play



		96~128	Music play
		129~255	Invalid
CH2	Dimmer	0~255	Fade 0% - 100%
CH3	Red	0~255	Fade 0% - 100%
CH4	Green	0~255	Fade 0% - 100%
CH5	Blue	0~255	Fade 0% - 100%
CH6	Page	0~255	Each 32 value be 1 page, total 8 pages (valid for CH1=32~63)
	Macro		Each 10 value be 1 macro, total 25 macros (valid for CH1=64~128)
CH7	Cue	0~15	Black
		16~255	CH1(32~63) each 12 value be 1 cue, total 20 cues
CH8	X position	0~255	Left - right movement (128 center)
CH9	X fine	0~255	X position fine movement
CH10	Y position	0~255	top - bottom movement (128 center)
CH11	Y fine	0~255	Y position fine movement
CH12	Rotation	0~255	CW rotation (0°-360°)
CH13	Fine	0~255	Fine rotation
CH14	Zoom	0~255	100% - 0%
CH15	X flip	0~255	Flip from left to right
CH16	Y flip	0~255	Flip from top to bottom
CH17	Color	0~7	Default
		8~15	White
		16~23	Red
		24~31	Yellow
		32~39	Green
		40~47	Cyan

		48~55	Blue
		56~63	Purple
		64~127	Each 8 value be 1 color, total 8 colors
		128~255	Each 16 value be 1 macro, total 8 macros
CH18	Write in	0~255	Visible point 100%-0%
CH19	Deformation	0~15	Invalid
		16~223	Each 16 value be one macro function (valid for 14CH 25CH)
		224~255	Default
CH20	Wave	0	Invalid
		1~39	Each 40 value be 1 macro, total 6 macros
CH21	Write in	0	Invalid
		1~42	Macro 1
		43~84	Macro 2
		85~126	Macro 3
	Strobe	127~255	Strobe (slow to fast)
CH22	X position	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros
CH23	Y position	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros
CH24	Z rotation	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros
CH25	Zoom	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros
CH26	X invert	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros

CH27	Y invert	0	Invalid
		1~255	Each 32 value be 1 macro, total 8 macros

**52CH:**

Channel			Value	Parameter description
CH1	IPLAY mode		0~31	Black
			32~63	Manual play
			64~95	Auto play
			96~128	Sound play
			129~255	Invalid
CH2	Dimmer		0~255	Dimmer
CH3	CH28	Red	0~255	Fade 0% - 100%
CH4	CH29	Green	0~255	Fade 0% - 100%
CH5	CH30	Blue	0~255	Fade 0% - 100%
CH6	CH31	Page	0~255	Each 32 value be 1 page, total 8 pages (valid for CH1=32~63)
		Macro		Each 10 value be 1 macro, total 25 macros (valid for CH1=64~128)
CH7	CH32	Pattern	0~15	Black
			16~255	Each 12 value be 1 cue, total 20 cues (Valid for CH1(32~63))
CH8	CH33	X position	0~255	Left to right (128 center)
CH9	CH34	X fine	0~255	X position fine movement
CH10	CH35	Y position	0~255	Bottom to top (128 center)
CH11	CH36	Y fine	0~255	Y position fine movement
CH12	CH37	Rotation	0~255	CW rotation (0°-360°)

CH13	CH38	Fine rotation	0~255	Fine rotation
CH14	CH39	Zoom	0~255	100% - 0%
CH15	CH40	X flip	0~255	Flip from Left to right
CH16	CH41	Y flip	0~255	Flip from top to bottom
CH17	CH42	Color	0~7	Default
			8~15	White
			16~23	Red
			24~31	Yellow
			32~39	Green
			40~47	Cyan
			48~55	Blue
			56~63	Purple
			64~127	Each 8 value be 1 effect, total 8 effects.
			128~255	Each 16 value be 1 macro, total 8 macros
CH18	CH43	Write in	0~255	Visible point 100%-0%
CH19	CH44	Deformation	0~15	Invalid
			16~223	Each 16 value be 1 macro, total 13 macros (valid for 14CH 25CH)
			224~255	Default
CH20	CH45	Wave	0	Invalid
			1~39	Macro 1
			40~79	Macro 2
			80~119	Macro 3
			120~159	Macro 4
			160~199	Macro 5
			200~255	Macro 6
CH21	CH46	Write in	0	Invalid

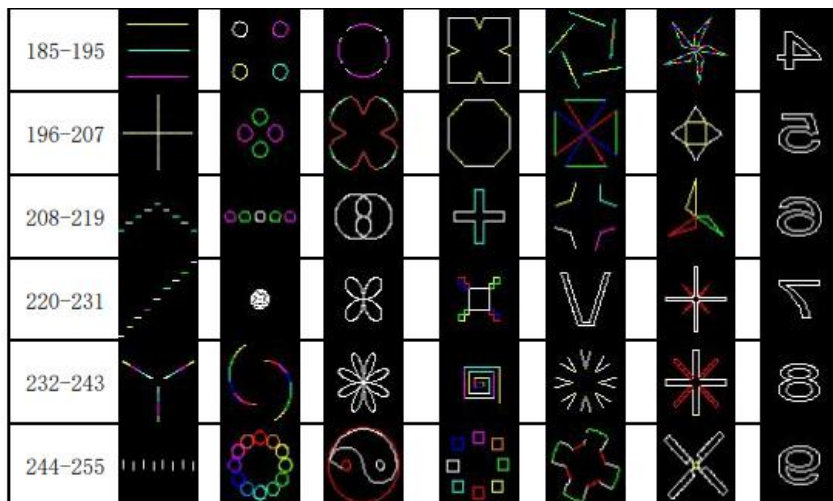
			1~42	Macro 1
			43~84	Macro 2
			85~126	Macro 3
		Strobe	127~255	Strobe from slow to fast
CH22	CH47	X Position	0	Invalid
			1~225	Each 32 value be one macro, total 8 macros
CH23	CH48	Y position	0	Invalid
			1~255	Each 32 value be one macro, total 8 macros
CH24	CH49	Z rotation	0	Invalid
			1~255	Each 32 value be one macro, total 8 macros
CH25	CH50	Zoom	0	Invalid
			1~255	Each 32 value be one macro, total 8 macros
CH26	CH51	X flip	0	Invalid
			1~255	Each 32 value be one macro, total 8 macros
CH27	CH52	Y flip	0	Invalid
			1~255	Each 32 value be one macro, total 8 macros

Detail DMX pattern as following :

DMX 1-7 Means CH 6 page

DMX 0-255 means CH 7 Cue

DMX CH6	→ 1	2	3	4	5	6	7
DMX CH7							
↓ 0-15							
16-27							
28-41							
42-53							
54-63							
64-75							
76-87							
88-99							
100-111							
112-123							
124-135							
136-147							
148-159							
160-171							
173-184							



### Auto play

In LED display, by encoder knob to select **Operation mode, Auto TRG**, laser play the built-in pattern and animation effect( page and cues)

### Music play

In LED display, by encoder knob to select **Operation mode, Music TRG**

### Master-slave play

In LED display, by encoder knob to select **System config, Master-slave**, slave fixture set DMX address 001

### Safety warning and maintain

#### Safety warning

The installation should be carried by a qualified installer

The fans and air-vents should not be jammed by other equipment or decorate materials

Avoid looking directly in the light source

### **Maintain**

Please read the user manual in detail before operating the equipment.

Maintenance should be performed every 3 month, different period according to the environment. Use a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.

Keep the equipment away from water or moisture

Make sure the power is off and fixture is not connected to the power supply before opening the unit or any maintenance.

### **Declaration**

This device has left our premises in absolutely 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 the warning note written in his user manual.

We cannot be made liable for damages caused by incorrect installations and unskilled operation!



Product common breakdown comparison table	
Breakdown cause	Major breakdown analysis and solution
The fixture no work	<ol style="list-style-type: none"> <li>1. Check the power cable connection and fuse</li> <li>2. Check the input voltage whether to assign the voltage match with the fixture.</li> </ol>
No sound control	<ol style="list-style-type: none"> <li>1. Check the address code or the display whether establishes according to the instruction booklet is the voice control pattern.</li> <li>2. Check the potentiometer possibly moves is smallest, attempt to adjust the potentiometer.</li> </ol>
The fixture can work, but dmx no working	<ol style="list-style-type: none"> <li>1. Please check the fixtures dmx address setting</li> <li>2. Please check the XLR signal cable whether be damaged.</li> </ol>
Master-slave mode, the master mode is normal, but slave mode is not normal	<ol style="list-style-type: none"> <li>1. Please conformed only one for the master and the master without DMX be connected, and to set master as sound control or auto pattern.</li> <li>2. If the Master-slave setting is right but still have problem, please check the XLR connect cable.</li> </ol>
The button malfunction, does not work.	<ol style="list-style-type: none"> <li>1. Check the buttons whether to have some button not to have the normal reset.</li> </ol>
The fixtures' brightness obvious dim	<ol style="list-style-type: none"> <li>1. Check the LED tubes or the light already whether to be service life.</li> <li>2. Check the internal and external optical system whether to be clean.</li> </ol>
If above method cannot eliminate the fault, please consult the dealer.	