






### Wave effect mode(manual active)

Channel	Function	DMX512	Specification
1	Running	192~255	Wave effect mode
2	Laser On/Off	0~127	Laser Off
		128~255	Laser On
3	Wave Scope	0~255	From small to big 
4	Wave Frequency	0~255	From low to high 
5	colour	0~31	Original color
		32~63	Red
		64~95	Yellow
		96~127	Green
		128~159	Cyan
		160~191	Blue
		192~223	Purple
6	Color gradual change	0~1	Original
		2~255	Color gradual change 
7	drawing	0~127	Manual drawing
		128~255	Gradual drawing speed 
8	Gobo	0~255	16 Gobos (255/16)
9	Wave mode	0~63	From right to left
		64~127	From left to right
		128~191	From inside to outside
		192~255	From outside to inside
10	Wave flow speed	0~127	Wave stationary degree
		128~255	Wave flow speed 
11	No use		No use
24	No use		No use

# IMAX RGB laser system

*User's Manual*

IMAX 0.8W RGB



Thank you very much for choosing our product, for your safety, please read this manual carefully before your operation. This manual included installation and using information. Please install and operate it according to the requirement of this manual.

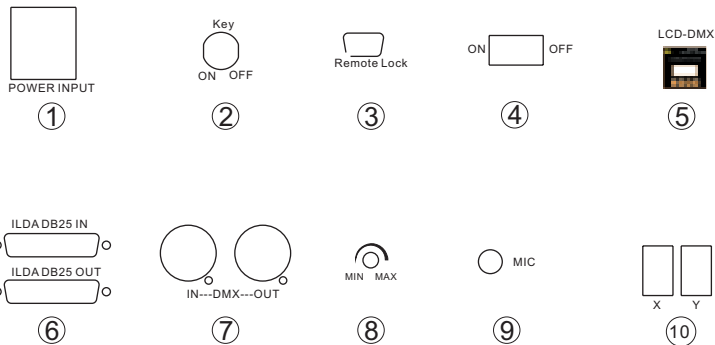
## Open the carton

For you can safety use this product, please carefully read this manual before using. And according to the operate rule, to avoid the damaged of the light or body injure. Please handle carefully after you received the product. Check if the product had been damaged by transport , and check the accessories as below:

Laser Projector 1 pc                      User's Manual 1copy  
 Power Cable 1 pc                        DMX Signal Cable 1pc  
 Remote Key 1 pc






## Note:

- You must operate it according to the rules, please don't dismantle the light randomly, please contact to the professional people when arise the fault.
- You must appeal the professional person for installation, please confirm if the marked voltage is matched with your using voltage before installation.
- Please don't connect to the power or turn on the light when installing the light, and keep there is no flammable substances or decoration within 0.5m. and keep the light have 15cm distance with the wall, make sure the aeration conduit haven't be jammed.
- The light must be fixed, and use the safety rope which can bear 10 times weight of the light to make the accessorial hanging installation.
- To connect the earth is very important in order to make sure the safety.
- The light must have 1m distance with the irradiation goods.
- To avoid the sundries get into the light to cause the fault.
- As the character of the laser light, you must turn off it at least for 25 minutes after use it for 3 hours. Then you can use it again after cooling the laser light.
- You must use the original package and note to keep it shockproof when you transport it again.



14	The 2nd Gobo team selection	0~255	8 gobo teams(255/32=0~7)
15	The 2nd Gobo selection	0~255	16 gobo teams(255/16=0~15)
16	The 2nd colour	0~31	Original color
		32~63	White
		64~95	Red
		96~127	Yellow
		128~159	Green
		160~191	Cyan
		192~223	Blue
17	The 2nd Color gradual change	0~1	Original
		2~255	Color gradual change
18	The 2nd drawing	0~127	Manual drawing
		128~255	Gradual drawing speed
19	The 2nd Gobo zoom	0~127	Gobo size from big to small(manual)
		128~191	Gobo size from big to small(auto)
		192~255	Gobo size fromsmall to big(auto)
20	The 2nd Horizontal rotation	0~127	Stationary Pan rotate angle(0~360 degree)
		128~191	Pan clockwise rotate speed
		192~255	Pan anti-clockwise rotate speed
21	The 2nd Vertical rotation	0~127	Stationary Tilt rotate angle(0~360 degree)
		128~191	Tilt clockwise rotate speed
		192~255	Tilt anti-clockwise rotate speed
22	The 2nd Centre rotation	0~127	Stationary centre rotate angle(0~360 degree)
		128~191	Centre clockwise rotate speed
		192~255	Centre anti-clockwise rotate speed
23	Main pattern Horizontal move	0~127	Stationary Pan move
		128~191	Pan right move
		192~255	Pan left move
24	The 2nd Vertical move	0~127	Stationary Tilt move
		128~191	Tilt right move
		192~255	Tilt left move

## Double pattern mode (manual active)

Channel	Function	DMX512	Specification
1	Running	128~191	Double pattern mode
2	Laser On/Off	0~127	Laser Off
		128~255	Laser On
3	Main Gobo team selection	0~255	8 gobo teams(255/32=0~7)
4	Main Gobo selection	0~255	16 gobo teams(255/16=0~15)
5	Main colour	0~31	Original color
		32~63	White
		64~95	Red
		96~127	Yellow
		128~159	Green
		160~191	Cyan
		192~223	Blue
6	Main Color gradual change	0~1	Original
		2~255	Color gradual change 
7	Main drawing	0~127	Manual drawing
		128~255	Gradual drawing speed 
8	Main Gobo zoom	0~127	Gobo size from big to small(manual) 
		128~191	Gobo size from big to small(auto) 
		192~255	Gobo size fromsmall to big(auto) 
9	Main Horizontal rotation	0~127	Stationary Pan rotate angle(0~360 degree)
		128~191	Pan clockwise rotate speed
		192~255	Pan anti-clockwise rotate speed
10	Main Vertical rotation	0~127	Stationary Tilt rotate angle(0~360 degree)
		128~191	Tilt clockwise rotate speed
		192~255	Tilt anti-clockwise rotate speed
11	Main Centre rotation	0~127	Stationary centre rotate angle(0~360 degree)
		128~191	Centre clockwise rotate speed
		192~255	Centre anti-clockwise rotate speed
12	Main Horizontal move	0~127	Stationary Pan move
		128~191	Pan right move
		192~255	Pan left move
13	Main Vertical move	0~127	Stationary Tilt move
		128~191	Tilt right move
		192~255	Tilt left move

## The specification of the front and rear panel:

1	Power input to the socket,fuse inside
2	Key:safety lock,use to turn on or off the laser light
3	Remote Lock:remote lock,laser light irradiance when the 1 and 2 foot of the DB9 plug connected, and the laser off when the 1 and 2 foot of the DB9 disconnected.
4	ON/OFF:Power Switch
5	ADDRESS:Binary IP code switch
	①Press Menu to choose control modes
	1. Music Active 2. Auto Active 3. DMX512
6	②When 10 is ON,it means controller connect to control. 1~9 is DMX IP code.
	In the DMX node,laser will turn off if the DMX signal interrupted.
7	ILDADB25-F/M stand ILDA interface,use to control the exterior computer.
	When the ILDA interface connected to the exterior console,light will automatic change to exterior control mode,and needn't to convert switch.
8	DMX IN/OUT:DMX signal output and input
9	Min-Max:Volume and sensitivity adjustment
10	MIC:microphone
	X invert & Y invert

## Technology Parameter:

- 1.Laser: 635nm Red 300mW,532nm Green 200mW,445nm Blue 300mW
- 2.Scan Speed: Max. 50kpps
- 3.DMX channel:Digital LCD display 24channels
- 4.Control mode:Sound Active/Auto-Work/DMX512/ILDA PC control
- 5.Cooling method:Fan cooling
- 6.Power:AC9V~250V,50~60HZ
- 7.Power consumption:250W

## Maintenance:


- Periodically maintain the product, use the cotton stick dip the alcohol and clean the lens, for improve the output beam, please don't use the wet cloth or other chemical liquid to wipe the lens. The clean time must depends on the operation frequency and the environment ,we suggest clean it 20 days once.
- Please wipe the case periodically, inspect and clean the orifice of the fan.
- Warning: Please confirm that you had cut off the power before you installing or repairing.

## DMX512 Channel List


The fixture can display two different patterns at the same time---24 channels version. And the 2<sup>nd</sup> pattern can move with the main pattern ---11 channels version. Also you can display one pattern only---13channels version. The function of each channel as following .

Channel	Function	DMX512	Specification
1	Play mode	0~0	Off
		1~63	Music mode(music active)
		64~127	Auto mode(Auto active)
		128~191	Double pattern mode(manual active)
		192~255	Wave effect mode(manual active)

## Auto mode(music active)

Channel	Function	DMX512	Specification
1	Running	1~63	Running music mode
2	Speed	0~255	16 Class speed(from slow to fast) 
3	Shows	0~15	Re run all
		16~31	Re run show1
		32~47	Re run show2
		48~63	Re run show3
		64~79	Re run show4
		80~95	Re run show5
		96~111	Re run show6
		112~127	Re run show7
		128~143	Re run show8
		144~159	Re run show9
		160~175	Re run show10
		176~191	Re run show11
		192~207	Re run show12
		208~223	Re run show13
		224~239	Re run show14
240~255	Re run show15		
4	No use		No use
24	No use		No use

## Auto mode(Auto active)

Channel	Function	DMX512	Specification
1	Running	63~127	Running Auto mode
2	Speed	0~255	16 Class speed(from slow to fast) 
3	Shows	0~15	Re run all
		16~31	Re run show1
		32~47	Re run show2
		48~63	Re run show3
		64~79	Re run show4
		80~95	Re run show5
		96~111	Re run show6
		112~127	Re run show7
		128~143	Re run show8
		144~159	Re run show9
		160~175	Re run show10
		176~191	Re run show11
		192~207	Re run show12
		208~223	Re run show13
		224~239	Re run show14
240~255	Re run show15		
4	No use		No use
24	No use		No use

## LCD-DMX

