






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 |
| 224~255 | White | | |
| 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 3.0W 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.

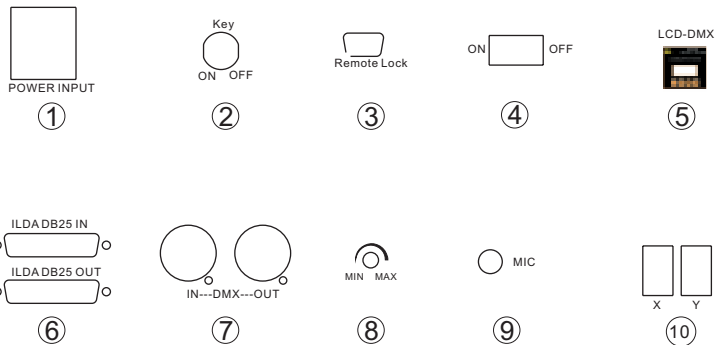
Open the carton

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 |
| | ① Press Menu to choose control modes |
| | 1. Music Active 2. Auto Active 3. DMX512 |
| 6 | ② When 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 |
| 11 | X invert & Y invert |

Technology Parameter:

1. Laser: 650nm Red 1500mW, 532nm Green 500mW, 445nm Blue 1000mW
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: AC90V~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 2nd 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

