

USER MANUAL

Butterfly Beam

Professional Stage Lights

Introduction

Thank you for purchasing this product.

To ensure proper operation, please read this manual carefully before using the product.

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

This product has been tested at our factory before shipping 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 Light

1 x Power cable

1 x User manual

Installation

1. Please check the voltage whether is the same with the one showed on the equipment.
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 ground wire.

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 light beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the light diode to the least to avoid any damage to the light 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 .
5. Set the light immobility and try to avoid strong shake or hit.
6. Prevent dust into the equipment to avoid problems.

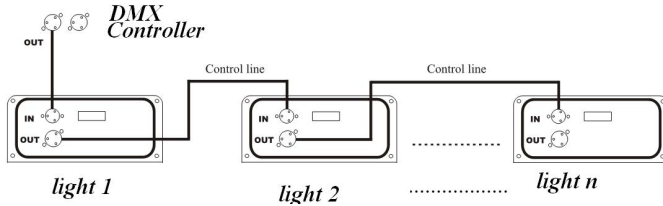
7. Please keep that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe when the equipment was working.
8. Before connect power, check the plug is immobility or not, power cable should be connect well.
9. Please do not open or close the equipment frequently that's to avoid any affect to the life span of the light diode, and try the best to avoid the long time working.
10. Due to the characteristic of the light diode, after four hours working, it should be close at least 25 minutes until the light 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 light 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 Function Menu

| Menu | Secondary menu |
|------------------|------------------------|
| DMX address | DMX address 001-512 |
| Channel mode | 14CH/35CH/42CH |
| Mode select | DMX512 |
| | Master |
| | Slave 1 |
| | Slave 2 |
| Auto Run mode | Auto 0-16 Speed 0-9 |
| Sound mode | Show 0-16 |
| Sound sense | 0-100 |
| Back lights | On/Off |
| Pan Inverse | Yes/No |
| Tilt Inverse | Yes/No |
| Auto Test | Test |
| Fixture Time | 0-9999 |
| Software Version | Version |
| Motor Reset | Yes/No |
| Default | Reset |

DMX Setting

Input DMX signal, DMX daisy chain picture as follow



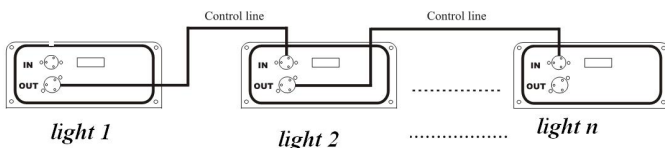
DMX control, each light should has its own address. The first light address is 1, the second light address 15 or 36 or 43 (the first light address 1 plus 14 or 35 or 42 channel), the third light address 29 or 71 or 85.

DMX - 512 control mode as following :

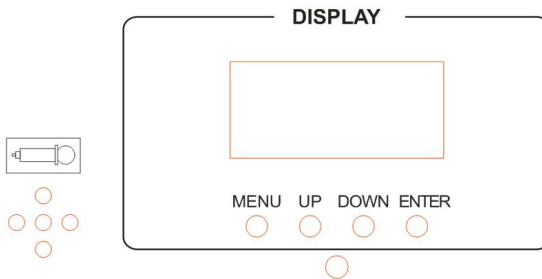
| Number | Address | LCD display(No.) |
|--------|----------------|-------------------|
| 1 | 1 | 001 |
| 2 | 15 or 36 or 43 | 015 or 036 or 043 |
| 3 | 29 or 71 or 85 | 029 or 071 or 085 |
| ⋮ | ⋮ | ⋮ |

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),

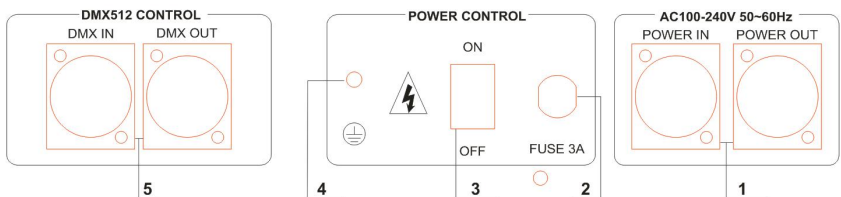


- **LCD display panel, as following:**



Operation: Press “MENU” will cycle fourteen different effect..
Press”UP”, ”DOWN” to select different features. Press ”ENTER” to confirm.

- **Using before please must be check power supply link with earth wire correctly.**
- **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

1. Power Supply: AC100~240V 50/60Hz
2. Rated Power: 250W
3. light color: W300 (R100mW+G80mW+B120mW)
4. Y axis rotation angle: 0-240°
5. Z axis rotation angle: 0-140°
6. Working Mode: Sound/Automatic/DMX512/Master-Slave
7. Auto mode: 16 kinds of automatic dynamic effect/ 16 kinds of sound trigger dynamic effect
8. DMX Control Channel: 14CH/35CH/42CH
9. Cool system: forced air cooling system
10. Working temperature: 0℃ - 35℃
11. N.W./G.W.: 27kg / 31kg
12. Package size: 113 x 48 x 36cm

DMX-512 Channel Introduction

35CH / 42CH mode as following

| Channel | | Value | Function |
|---------|------|---------|---|
| CH1 | CH1 | 000-007 | Black, motor controllable |
| | | 008-255 | On |
| CH2 | CH2 | 001-255 | Strobe (speed from slow to fast) |
| CH3 | CH3 | 000-007 | Invalid |
| | | 008-247 | Each 14 value be one Y/Z axis macro effect, total 16 effects (motor controllable) |
| | | 248-255 | Sound trigger (motor controllable) |
| CH4 | CH4 | 001-255 | Y, Z speed from slow to fast (only valid for CH3 (008-247)) |
| CH5 | CH5 | 000-014 | Invalid |
| | | 015-255 | Color chase(each 20 value be one color chase effect, total 12 effects) |
| CH6 | CH6 | 001-255 | Color chase speed from slow to fast (only valid for CH5 (015-255)) |
| CH7 | CH7 | 001-255 | Y axis rotation |
| CH8 | CH8 | 001-255 | Y axis fine rotation |
| CH9 | CH9 | 001-255 | Z axis rotation, only when CH9 value=0 , 6 motors Z axis individual control valid |
| | CH10 | 001-255 | Z axis fine rotation |
| CH10 | CH11 | 001-255 | Y, Z axis rotation speed (only valid CH7/CH9) |

| | | | |
|------|------|---------|------------------------------|
| CH11 | CH12 | 001-255 | light 1 Z axis rotation |
| | CH13 | 001-255 | light 1 Z axis fine rotation |
| CH12 | CH14 | 001-255 | light 1 Red on/off |
| CH13 | CH15 | 001-255 | light 1 Green on/off |
| CH14 | CH16 | 001-255 | light 1 Blue on/off |
| CH15 | CH17 | 001-255 | light 2 Z axis rotation |
| | CH18 | 001-255 | light 2 Z axis fine rotation |
| CH16 | CH19 | 001-255 | light 2 Red on/off |
| CH17 | CH20 | 001-255 | light 2 Green on/off |
| CH18 | CH21 | 001-255 | light 2 Blue on/off |
| CH19 | CH22 | 001-255 | light 3 Z axis rotation |
| | CH23 | 001-255 | light 3 Z axis fine rotation |
| CH20 | CH24 | 001-255 | light 3 Red on/off |
| CH21 | CH25 | 001-255 | light 3 Green on/off |
| CH22 | CH26 | 001-255 | light 3 Blue on/off |
| CH23 | CH27 | 001-255 | light 4 Z axis rotation |
| | CH28 | 001-255 | light 4 Z axis fine rotation |
| CH24 | CH29 | 001-255 | light 4 Red on/off |
| CH25 | CH30 | 001-255 | light 4 Green on/off |
| CH26 | CH31 | 001-255 | light 4 Blue on/off |
| CH27 | CH32 | 001-255 | light 5 Z axis rotation |
| | CH33 | 001-255 | light 5 Z axis fine rotation |
| CH28 | CH34 | 001-255 | light 5 Red on/off |
| CH29 | CH35 | 001-255 | light 5 Green on/off |
| CH30 | CH36 | 001-255 | light 5 Blue on/off |
| CH31 | CH37 | 001-255 | light 6 Z axis rotation |
| | CH38 | 001-255 | light 6 Z axis fine rotation |
| CH32 | CH39 | 001-255 | light 6 Red on/off |

| | | | |
|------|------|---------|----------------------|
| CH33 | CH40 | 001-255 | light 6 Blue on/off |
| CH34 | CH41 | 001-255 | light 6 Green on/off |
| CH35 | CH42 | 000-128 | Invalid |
| | | 128-255 | Motor reset after 5s |

The difference between 35CH and 42CH in same channel

| Channel | Value | CH35 | CH42 |
|---------|---------|--|--|
| CH1 | 000-007 | CH7\CH8\CH9\CH10\CH11\CH15\CH19\CH23\CH27\CH35 valid | CH7\CH8\CH9\CH11\CH12\CH15\CH16\CH19\CH20\CH22\CH23\CH27\CH28\CH32\CH33\CH37\CH38 valid |
| | 008-255 | CH2-CH35 valid | CH2-CH42 valid |
| CH9 | 001-255 | CH9=0, CH11/CH15/CH19/ CH23/CH27/CH31 valid | CH9=0, CH11\CH12\CH15\CH16\CH19\CH20\CH22\CH23\CH27\CH28\CH32\CH33\CH37\CH38 valid |

14CH mode as following

| Channel | Value | Function |
|---------|---------|--|
| CH1 | 000-007 | Black, motor controllable (CH10\CH11\CH12\CH13\CH14) |
| | 008-255 | CH2-CH14 on |
| CH2 | 000-255 | Red brightness (0% - 100%) |
| CH3 | 000-255 | Green brightness (0% - 100%) |
| CH4 | 000-255 | Blue brightness (0% - 100%) |
| CH5 | 001-255 | Strobe (slow - fast) |
| CH6 | 000-007 | Invalid |
| | 008-247 | Each 14 value be one Y/Z axis macro effect , total 16 effects (motor controllable) |
| | 248-255 | Sound trigger (motor controllable) |
| CH7 | 001-255 | Y,Z axis speed from slow to fast (only valid for CH6 (008-247)) |
| CH8 | 000-014 | Invalid |
| | 015-255 | Color chase |
| CH9 | 001-255 | Color chase speed from slow to fast(only valid for CH8(015-117)) |
| CH10 | 001-255 | Y axis rotation |
| CH11 | 001-255 | Y axis fine rotation |
| CH12 | 001-255 | Z axis rotation |
| CH13 | 001-255 | Y,Z axis rotation speed (only valid for CH10/CH12) |
| CH14 | 000-127 | Invalid |
| | 128-255 | Motor reset after 5s |

Maintenance

Maintenance should be performed every 15day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.

Always disconnect from the power when the device is not in use or before cleaning it.

Warning

Power must be disconnected before maintenance or repair. Do not look at the light source directly

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 warning notes written in this user manual.

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

| Product common breakdown comparative chart | |
|--|---|
| Breakdown cause | Major breakdown analysis and solution |
| The fixture no work | <ol style="list-style-type: none"> 1. Check the power cable ensure the fixture connect the power correctly and the fuse is ok. 2. Check the input voltage whether to assign the voltage match with the fixture. |
| No sound control | <ol style="list-style-type: none"> 1. Check the address or the display whether establishes according to the instruction booklet is the sound trigger mode. |
| The fixture can bright normally, but it not controlled by controller | <ol style="list-style-type: none"> 1. Please check the fixture DMX address setting correctly or not. 2. Please check the XLR signal cable whether be damage. |
| Master-slave mode, The master mode is normal, but slave mode is not normal | <ol style="list-style-type: none"> 1. Please ensure fixture 1 for the master and the master without DMX be connected, and to set master as sound control or auto pattern. 2. Master-slave set as DMX mode |
| The button malfunction does not work | <ol style="list-style-type: none"> 1. Check the buttons whether to have some button not to have the normal reset. |
| The fixtures' brightness obvious dim | <ol style="list-style-type: none"> 1. Check the internal and external optical system whether to be clean. |