



MEDUSA LITE



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

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User manual

1. Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

Unpack and check carefully to ensure that there is no transportation damage before using the unit.

This product is for indoor use only. Use only in a dry location.

DO install and operate by qualified operator.

DO NOT allow children to operate the fixture.

Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.

Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.

Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.

DO NOT connect the device to any dimmer pack.

Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.

DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.

DO NOT touch any wire during operation as there might be a hazard of electric shock.

Avoid entanglement of the power cord with other wires.

The minimum distance to objects/surface must be more than 1 meters.

Disconnect mains power before fuse/lamp replacement or servicing.

Replace fuse/lamp only with the same type.

In the event of serious operating problem, stop using the unit immediately.

Never turn on and off the unit time after time.

The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs

yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.

Disconnect this product from its power source before servicing.

DO use the original packaging if the device is to be transported.

Avoid direct eye exposure to the light source while the product is on.

Never touch bulb with bare fingers, as it is very hot after using.

DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once

Installation:

The fixture should be fixed on the clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always install a safety cable that can hold at least 12 times the weight of the fixture when installing. DO install and operate by qualified operator. It must be installed in a place where there is out of the reach of people.

2.INSTALLATIONS

installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the lamp

Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope)

Do not stand directly under the equipment when installing, removing, or servicing fixtures

From the ceiling or set on a flat surface (see the picture below). Ensure that this fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decorations, etc.)

Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged

Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury

Before connecting the main power cord to an appropriate wall outlet, make sure to complete all assembly and installation procedures

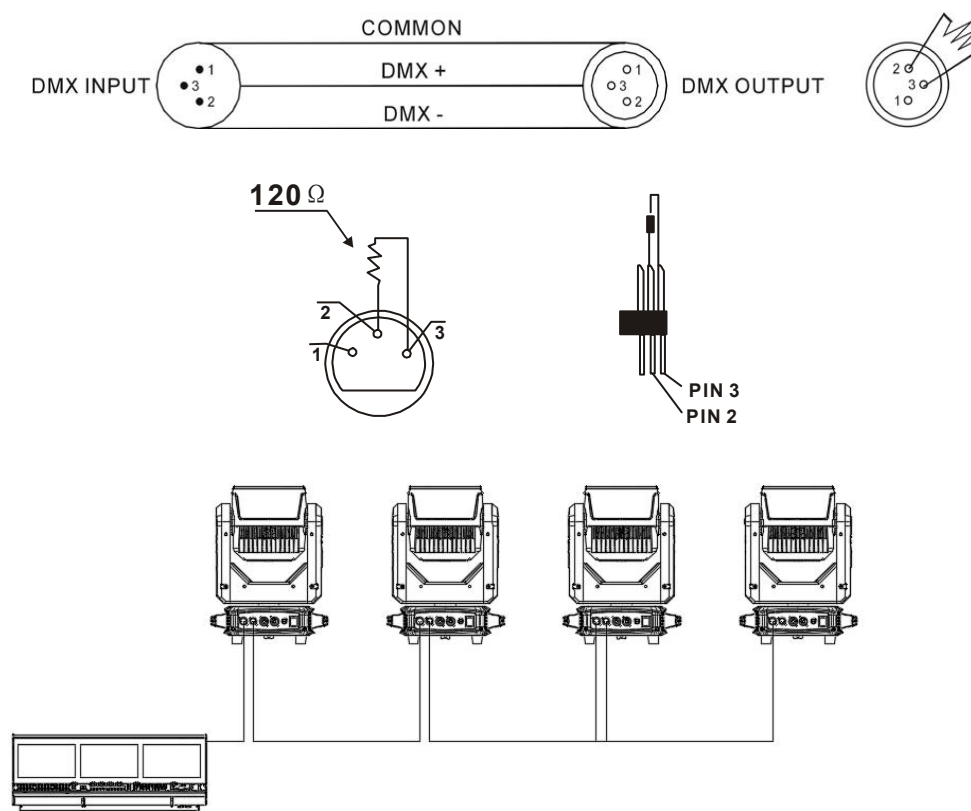
LED installation: LED shaking head provides a unique mounting bracket assembly, which integrates the bottom of the base and the fixing point of the safety cable into one unit . When installing the fixture to the truss, make sure to use the appropriate tools to fix it on the attached bracket, and use the M10 screw that passes through the center hole of the "bracket" to fix it. As an additional safety measure, make sure to use at least one safety cable integrated in the base assembly to connect at least one appropriately rated safety cable to the fixture.

3. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below



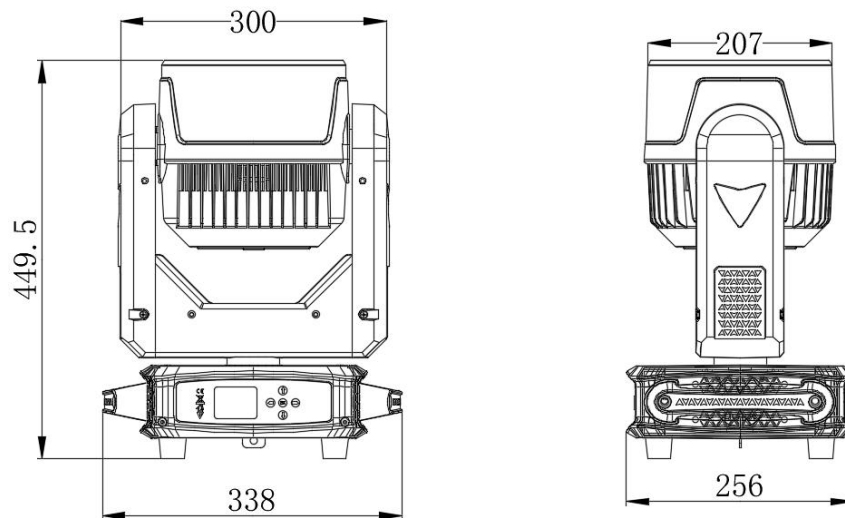
4. Address code setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

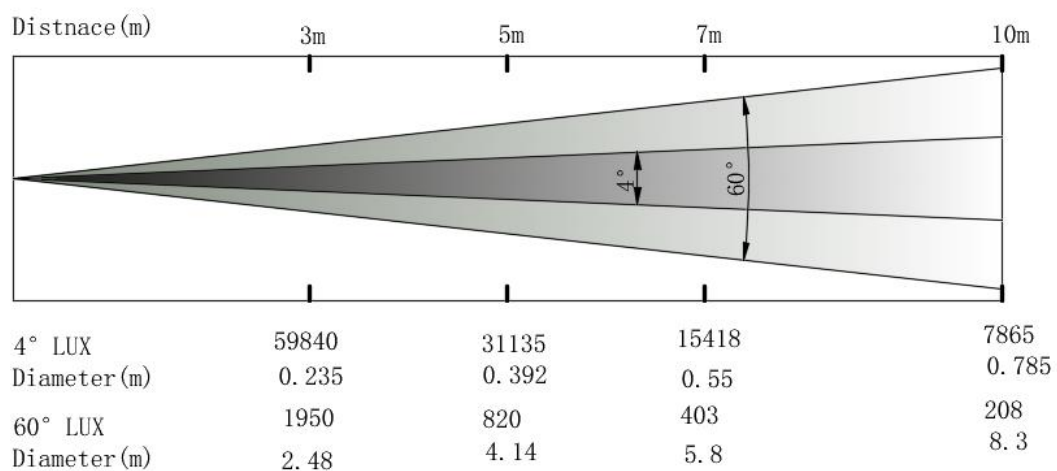
Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode. Please refer to the following diagram to address your DMX512 channel for the first 4 units.

| Channel MODE | UNIT1 ADDRSS | UNIT2 ADDRSS | UNIT3 ADDRSS | UNIT4 ADDRSS |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 23CH | 1 | 24 | 47 | 70 |
| 35CH | 1 | 36 | 71 | 106 |
| 51CH | 1 | 52 | 103 | 155 |

5. Fixture size



6. Illuminance chart:



7. LED technical parameters

Input Voltage: 100-240V, 50/60Hz
 Output Voltage: V1:36V(LED driver+ main board),
 Power consumption: 300W
 Power supply: 350W
 Single LED power: 40W
 Light source: 7x40W RGBW 4IN LED
 Beam angle: 4-60°
 Adjustable color temperature
 DMX Channel: 23/35/51CH
 Operate mode: DMX512, AUTO master/slave, Voice control, RDM
 Electronic dimmer:0~100% linear
 Linear CTO color temperature adjustment: 2500-8000K
 Four dimming curve functions
 Rich color gradient effects
 Rich and diverse dynamic effects
 Infinite color mixing
 Equipped with a color correction system to ensure consistent color output
 Automatically calculate the address code of the next fixture
 Infinite honeycomb rotation, adjustable forward and backward speeds
 Encoding positioning is used for the XY axis
 Three phase silent motor fast and stable
 Fast operation speed and noiseless operation
 No flickering under high-definition camera
 Dust and oil resistant design
 Fixture size: 338*256*449.5mm

Feature:

LED shaking head dyeing light, with fast operation speed, no noise during operation, and no flicker under high-definition camera. It consists of 7 40W RGBW four color LEDs as a light source, creating a uniform color mixing system and rainbow effect, easily creating a fast and powerful beam, adding dynamism to the stage. Multiple channel modes are available, with point by point control of the light beads. The lighting engineer can flexibly switch colors, angles, and lighting effects. A linear focusing system with a beam angle of 4.5 ° -45 ° , multiple speed stroboscopic effects, and a smooth dimming function of 0~100% 16BIT. The shell is made of nylon material, which is wear-resistant and resistant to falling, and is a sturdy LCD display screen,

8.Menu Actions

8.1:Home interface menu display

| First interface | Description | explain |
|-------------------|--------------------------|--|
| address | 001 - 512 | Button up and down: Change the address code of this light, for example, if the channel value is 23CH, then the address code of this light is 1, and the address code of the next light is 24; Left and right buttons: Each time the address code of this light increases by 1 or the address code decreases by 1 |
| signal | OK/NG | DMX signal |
| Channel | 21CH/23CH/35CH | |
| Mode | DMX512/Auto1/auto2/sound | Current operating mode of the LED |
| TEMP | 20°C | Current temperature of the LED |
| | **°C | Abnormal temperature display |
| Reset information | Display reset status | 1) Normal 2) Exception: Reset the specific content of the exception. View the information options on the setting interface |

8.2:Shortcut interface menu

| shortcut menu | Description | explain |
|---------------|--------------------|---|
| address | address: 001 - 512 | Same interface menu structure operation |
| Adjust | Enter password | LED calibration |
| 中/EN | 中/EN | Change Language |
| Normal | Normal | Screen does not display in reverse |
| | Invert | Screen inversion display |
| | Auto | The system can automatically rotate the screen according to the |

| | | |
|-------|-------|------------------------------|
| | | direction of gravity |
| Setup | Setup | Enter the settings interface |

8.3:Settings interface menu

| Main Menu | Secondary menu | tertiary menu/parameters |
|-----------------|---------------------------------|---|
| Address | 001 - 512 | |
| System settings | Run mode | DMX/sound/auto1/auto2 |
| | Channel | 23CH/35CH/51CH |
| | Pan def Pos | 000 |
| | Tilt def Pos | 127 |
| | Invert pan | on/off |
| | Invert Tilt | on/off |
| | Swap pan/tilt | on/off |
| | Fast dimming | on/off |
| | KEEP Signal | on/off/auto |
| | Encoder Correct | on/off |
| | Hall correct | 中/EN |
| | Back lighting time | 15s/30s/LOGO/OFF |
| | Curve | Curve1/Curve2/ Curve3/Curve4 |
| | Load default | OK/Cancel |
| Adjust | Enter password | xxxx |
| TEST | Current channel mode Channel | 0-255 |
| reset | Motor ON/OFF | |
| | Reset Head | |
| | Reset XY | |
| | Reset ALL | |
| Info | Error message | Display specific information content |
| | DMX data | Display specific testing content for DMX |
| | Sensor info | Display specific information of optocoupler and Hall |
| | Version | Display version number and RDM code |
| | Usage time | xxxxH |

9.DMX512

| 23CH | | | |
|------|-----------------|-----------|---|
| CH | function | DMX value | description |
| 1 | X | 0-255 | X rotate |
| 2 | X fine | 0-255 | X-axis fine adjustment |
| 3 | Y | 0-255 | Y rotate |
| 4 | Y fine | 0-255 | Y-axis fine adjustment |
| 5 | XY speed | 0-255 | Fast-slow |
| 6 | zoom | 0-255 | Angle From large to small |
| 7 | rotating | 0-127 | 0-60 degree |
| | | 128-188 | Antiwise fast-slow |
| | | 189-193 | Stop |
| | | 194-255 | Forward slow-fast |
| 8 | dimmer | 0-255 | Linear dimming from dark to light |
| 9 | strobe | 0-3 | OFF |
| | | 4-103 | Synchronous strobe speed from slow to fast (1HZ-25HZ) |
| | | 104-107 | Open |
| | | 108-207 | Split the strobe speed from slow to fast (1HZ-25HZ) |
| | | 208-212 | Open |
| | | 213-225 | Low speed random strobe |
| | | 226-238 | Medium speed random strobe |
| | | 239-251 | High speed random strobe |
| | | 252-255 | Open |
| 10 | R | 0-255 | From dark-bright |
| 11 | G | 0-255 | From dark-bright |
| 12 | B | 0-255 | From dark-bright |
| 13 | W | 0-255 | From dark-bright |
| 14 | CT | 0-255 | Linear CT control |
| 15 | Color Macro | 0-255 | Inner color gradual change |
| 16 | Static effects | 0-255 | 5 no. One effect |
| 17 | Dynamic effects | 0-255 | 5 no. One effect |
| 18 | Dynamic | 0-127 | Forward from fast-slow |

| | | | |
|----|------------------|---------|-------------------------|
| | effects Speed | 128-255 | Reverse from slow-fast |
| 19 | Background R | 0-255 | Dark-bright |
| 20 | Background G | 0-255 | Dark-bright |
| 21 | Background B | 0-255 | Dark-bright |
| 22 | Background W | 0-255 | Dark-bright |
| 23 | reset | 0-79 | No function |
| | | 80-99 | Curve 1 (5s) |
| | | 100-119 | Curve 2 (5s) |
| | | 120-139 | Curve 3 (5s) |
| | | 140-159 | Curve 4 (5s) |
| | | 160-179 | Slow dimming mode (5s) |
| | | 180-199 | Fast dimming mode (5s) |
| | | 200-209 | Effect motor reset (5s) |
| | | 210-219 | XY motor reset (5s) |
| | | 220-229 | Reset all motors (5s) |

| 35CH | | | |
|------|-------------|-----------|--|
| CH | function | DMX value | description |
| 1 | R | 0-255 | Red dimmer |
| 2 | R Fine | 0-255 | Red dimmer fine |
| 3 | G | 0-255 | Green dimmer |
| 4 | G Fine | 0-255 | Green dimmer fine |
| 5 | B | 0-255 | Blue dimmer |
| 6 | B fine | 0-255 | Blue dimmer fine |
| 7 | W | 0-255 | White dimmer |
| 8 | W Fine | 0-255 | White dimmer fine |
| 9 | CT | 0-255 | Linear CT control |
| 10 | Color Macro | 0-255 | Color Macro function |
| 11 | strobe | 0-3 | off |
| | | 4-103 | Synchronous strobe slow-fast (1HZ-25HZ) |
| | | 104-107 | on |
| | | 108-207 | Divide strobe from slow-fast (1HZ-25HZ) |

| | | | |
|----|---------------------|---------|--------------------------------|
| | | 208-212 | on |
| | | 213-225 | Random strobe in low speed |
| | | 226-238 | Random strobe in middle speed |
| | | 239-251 | Random strobe in high speed |
| | | 252-255 | on |
| 12 | dimmer | 0-255 | Linear dimmer from dark-bright |
| 13 | Dimmer Fine | 0-255 | Dimmer fine |
| 14 | X | 0-255 | pan |
| 15 | X fine | 0-255 | Pan fine |
| 16 | Y | 0-255 | tilt |
| 17 | Y fine | 0-255 | Tilt fine |
| 18 | function | 0-255 | reserve |
| 19 | reset | 0-79 | No function |
| | | 80-99 | Curve 1 (5s) |
| | | 100-119 | Curve 2 (5s) |
| | | 120-139 | Curve 3 (5s) |
| | | 140-159 | Curve 4 (5s) |
| | | 160-179 | Slow dimming mode (5s) |
| | | 180-199 | Fast dimming mode (5s) |
| | | 200-209 | Effect motor reset (5s) |
| | | 210-219 | XY motor reset (5s) |
| | | 220-229 | Reset all motors (5s) |
| 20 | zoom | 0-255 | zoom |
| 21 | rotating | 0-127 | 0-60 degree |
| | | 128-188 | Antiwise fast-slow |
| | | 189-193 | Stop |
| | | 194-255 | Forward slow-fast |
| 22 | pattern | 0-255 | Pattern rotate |
| 23 | Pattern speed | 0-255 | Pattern speed |
| 24 | Pattern effect fade | 0-255 | Pattern effect fade |
| 25 | Pattern effect R | 0-255 | Pattern effect R |
| 26 | Pattern effect G | 0-255 | Pattern effect G |
| 27 | Pattern effect B | 0-255 | Pattern effect B |
| 28 | Pattern effect W | 0-255 | Pattern effect W |
| 29 | Pattern dimmer | 0-255 | Pattern 0-100% dimmer |

| | | | |
|----|--------------------------|-------|---------------------------------|
| 30 | Background dimmer | 0-255 | Background 0-100% dimmer |
| 31 | Pattern Transition | 0-255 | Pattern change control |
| 32 | Pattern angle adjustment | 0-255 | Pattern translation |
| 33 | Prospect strobe | 0-255 | Prospect strobe (with 11 chs) |
| 34 | Background strobe | 0-255 | Background strobe (with 11 chs) |
| 35 | Background selection | 0-255 | Background selection |

| 51CH | | | |
|------|----------|-----------|---|
| ch | function | DMX value | description |
| 1 | X | 0-255 | pan |
| 2 | X fine | 0-255 | Pan fine |
| 3 | Y | 0-255 | tilt |
| 4 | Y fine | 0-255 | Tilt fine |
| 5 | XY speed | 0-255 | Fast-slow |
| 6 | zoom | 0-255 | Small-big |
| 7 | rotating | 0-127 | 0-60 degree |
| | | 128-188 | Antiwise fast-slow |
| | | 189-193 | Stop |
| | | 194-255 | Forward slow-fast |
| 8 | dimmer | 0-255 | Dark-bright |
| 11 | strobe | 0-3 | off |
| | | 4-103 | Synchronous strobe slow-fast (1HZ-25HZ) |
| | | 104-107 | on |
| | | 108-207 | Divide strobe from slow-fast (1HZ-25HZ) |
| | | 208-212 | on |
| | | 213-225 | Random strobe in low speed |
| | | 226-238 | Random strobe in middle speed |
| | | 239-251 | Random strobe in high speed |
| | | 252-255 | on |
| 10 | R dimmer | 0-255 | |
| 11 | G dimmer | 0-255 | |

| | | | |
|-----|----------------------|---------|-------------------------|
| 12 | B dimmer | 0-255 | |
| 13 | W dimmer | 0-255 | |
| 14 | CT | 0-255 | Linear CT control |
| 15 | Wash | 0-255 | |
| 16 | Static effect | 0-255 | 5 no. One effect |
| 17 | Dynamic effect | 0-255 | 5 no. One effect |
| 18 | Dynamic effect speed | 0-127 | Forward fast-slow |
| | | 128-255 | Reverse slow-fast |
| 19 | Background R | 0-255 | Dark-bright |
| 20 | Background G | 0-255 | Dark-bright |
| 21 | Background B | 0-255 | Dark-bright |
| 22 | Background W | 0-255 | Dark-bright |
| 19 | reset | 0-79 | No function |
| | | 80-99 | Curve 1 (5s) |
| | | 100-119 | Curve 2 (5s) |
| | | 120-139 | Curve 3 (5s) |
| | | 140-159 | Curve 4 (5s) |
| | | 160-179 | Slow dimming mode (5s) |
| | | 180-199 | Fast dimming mode (5s) |
| | | 200-209 | Effect motor reset (5s) |
| | | 210-219 | XY motor reset (5s) |
| | | 220-229 | Reset all motors (5s) |
| 24 | R1 LED dimmer | 0-255 | R1 LED dimmer |
| 25 | G1 LED dimmer | 0-255 | G1 LED dimmer |
| 26 | B1 LED dimmer | 0-255 | B1 LED dimmer |
| 27 | W1 LED dimmer | 0-255 | W1 LED dimmer |
| ... | ... | | |
| ... | ... | | |
| 48 | R7 LED dimmer | 0-255 | R7 LED dimmer |
| 49 | G7 LED dimmer | 0-255 | G7 LED dimmer |
| 50 | B7 LED dimmer | 0-255 | B7 LED dimmer |
| 51 | W7 LED dimmer | 0-255 | W7 LED dimmer |

9. Trouble shooting

Following are a few common problems that may occur during operation.

Here are some suggestions for easy troubleshooting:

The unit does not work, no light and the fan does not work

Check the connection of power and main fuse.

Measure the mains voltage on the main connector.

Check the power on LED.

Not responding to DMX controller

DMX LED should be on. If not, check DMX connectors, cables to see if link properly.

If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.

If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.

Try to use another DMX controller.

Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

One of the channels is not working well

The stepper motor might be damaged or the cable connected to the PCB is broken.

10. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

1. Clean with soft cloth using normal glass cleaning fluid.

2. Always dry the parts carefully.

3. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.



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