

LED CITY COLOR LIGHT

MJ-2027A



User Manual

=====PROFESSIONAL LED LIGHTING =====

For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Remark: errors and omissions for every information given in this manual except. All information is subject to change without prior notice.

SAFETY INSTRUCTIONS

This device has left the factory in 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.

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The device can be use indoors and outdoors, IP65.

The device is not designed or intended to be mounted directly on to inflammable surfaces

The device is only intended for installation, operation and maintenance by professional person.

Do not device the beam onto inflammable surfaces, minimum distance is 5m.

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.

It is essential that each device is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

LED lens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.

Exterior surface temperatures of the luminaire after 5 minutes operation is 50° C, when steady state is achieved 65° C.

There is no user serviceable parts inside the projector, do not open the housing and never operate the device with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !

INTRODUCTION

Thank you for having chosen our LED lighting

Unpack the device ,inside the box you should find:

The fixture device

One power cable

This manual

Please check carefully that there is no damage caused by transportation.

Should there be any ,consult your dealer and don't install this device.

DESCRIPTION

Features

- . **Over temperature protect**
- . **4,8,or 12 DMX channels selectable for numerous applications**
- . **DMX-controlled operation, Sound-controlled operation or stand alone operation with Master/Slave-function**
- . **Automatic identify Master signal**
- . **Stepless RGBW colour changing**
- . **Equipped with 192 x 3W LEDS:48 x red,48 x blue, 48 x green,48 x white**
- . **Switch-mode power supply, 110V-240V**
- . **Operation very easy, human design, dimming no flicker、 jitter phenomena. Can be adapted to video, photography, television and other demanding lighting occasions.**

DMX-512 CONTROL CONNECTION

The product has a DMX 512 input fitted with 3-pin XLR connectors.

Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ohm impedance
- max. transmission rate 250kBaund.

DMX-512 CONNECTION WITH DMX TERMINATOR

TECHNICAL SPECIFICATIONS

Construction: Aluminum

Power supply: 100V~240V AC;50 Hz /60Hz

LED: 3W*192LEDs(R:48;G48;B:48;W:48)

Power consumption: max. 600 W

LED Beam Angle: 25°

LED Lifetime: 80,000-100,000 hours

Colour: RGBW Mixing colour

DMX Channel:4/8/12CH

Operation Modes: DMX512, Internal Program, Sound, Master/slave

Control Panel: Digital 4 Character Alphanumeric

Waterproof grade: IP 65

Net weight:27 KGS

Gross weight: 50KGS

Packing dimensions: 68x60x71CM



Warning:

Please do not use the lamp under the water.

Please do NOT connect the power cable hand by hand over 5pcs.

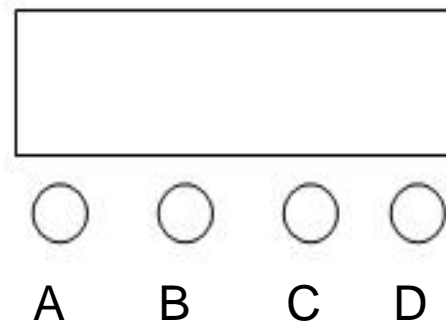
| Channel | Function | Description |
|---------|--------------------|--|
| 1CH | Main dimming | R、G、B、W main dimming, Linear dimming, from dark to bright |
| 2CH | Main strobe | R、G、B、W main strobe, from slow to quick |
| 3CH | Function Selection | 0—50: DMX512; 51—99: jump change; 100—150: fade; 151—200: running change; 201—250: Pulse; 251—255: sound control |
| 4CH | Function speed | Function speed, from slow to quick |
| 5CH | R dimming | R dimming, Linear dimming, from dark to bright |
| 6CH | G dimming | G dimming, Linear dimming, from dark to bright |
| 7CH | B dimming | B dimming, Linear dimming, from dark to bright |
| 8CH | W dimming | W dimming, Linear dimming, from dark to bright |

C. 12 channel description

| Channel | Function | Description |
|---------|--------------------|--|
| 1CH | Main dimming | R、G、B、W main dimming, Linear dimming, from dark to bright |
| 2CH | Main strobe | R、G、B、W main strobe, from slow to quick |
| 3CH | Function Selection | 0—50: DMX512; 51—99: jump change; 100—150: fade; 151—200: running change; 201—250: Pulse; 251—255: sound control |
| 4CH | Function speed | Function speed, from slow to quick |
| 5CH | R1 dimming | R1 dimming, Linear dimming, from dark to bright |
| 6CH | G1 dimming | G1 dimming, Linear dimming, from dark to bright |
| 7CH | B1 dimming | B1 dimming, Linear dimming, from dark to bright |
| 8CH | W1 dimming | W1 dimming, Linear dimming, from dark to bright |
| 9CH | R2 dimming | R2 dimming, Linear dimming, from dark to bright |
| 10CH | G2 dimming | G1 dimming, Linear dimming, from dark to bright |
| 11CH | B2 dimming | B1 dimming, Linear dimming, from dark to bright |
| 12CH | W2 dimming | W1 dimming, Linear dimming, from dark to bright |

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 OHM resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

GRAPHIC PART



- A. function button
- B. UP
- C. DOWN
- D. Enter

Operation description: Press “A” will cycle out seven different functional effect, LED Top row in represent the current function (Reference function table). LED Top row on behalf of the function in the address code, or speed and other parameters. Press **B** or **C** key can modify the parameter value. Press **D** to confirm.

DISPLAY MENU (All the functions are selected, press D to confirm.)

| No | Display | Function description |
|----|---------|--|
| 1 | A001 | 4 channel address code, (001—512) B、C button plus or reduce address code value |
| 2 | H001 | 8 channels address code, (001—512) B、C button plus or reduce address code value |
| 3 | h001 | 12 channel address code, (001—512) B、C button plus or reduce address code value |

| | | |
|----|------|--|
| 4 | CC50 | Colorful jump, (00—99) B、C button change jump speed |
| 5 | CP50 | Colorful pulse variable、gradient, (00—99) B、C button change speed of pulse and gradient |
| 6 | DE50 | Colorful running, (00—99) B、C button change speed of running |
| 7 | DEDE | Colorful sound control variable, (00—99) B、C button change speed of sound control |
| 8 | R255 | R colors change, (000—255) B、C button change speed of sound control |
| 9 | G255 | G colors change, (000—255) B、C button change speed of sound control |
| 10 | B255 | B colors change, (000—255) B、C button change speed of sound control |
| 11 | n255 | Strobe, (000—255),RGB colors change available for strobing B、C button plus or reduce speed of strobe |

Attention: Setting DMX address by button

1. press ENTER button when show the **A001,H001 or h001** menu, then adjust the DMX address by pressing [UP] or [DOWN] button
2. **H001** and **h001** are master/slave mode

Press [ENTER] to confirm or pressing [ESC] to return to main menu.

TEMPERATURE INFORMATION

This light install over temperature protect. If the light over temperature 60°C.The brightness will decrease gradually

CAUTION!

The brightness will decrease gradually when the light temperature is over 60°C, and if over 75°C, then will black out

CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION!

Disconnect from mains before starting maintenance operation.

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

If you have further questions, please contact your dealer.

INSTALLATION

The device must only be installed at a vibration-free, oscilation-free and fire-resistant location.

DMX FUNCTIONS AND VALUES:

A. 4 channel description

| Channel | Function | Description |
|---------|-----------|--|
| 1CH | R dimming | R dimming, Linear dimming, from dark to bright |
| 2CH | G dimming | G dimming, Linear dimming, from dark to bright |
| 3CH | B dimming | B dimming, Linear dimming, from dark to bright |
| 4CH | W dimming | W dimming, Linear dimming, from dark to bright |

B. 8 channel description