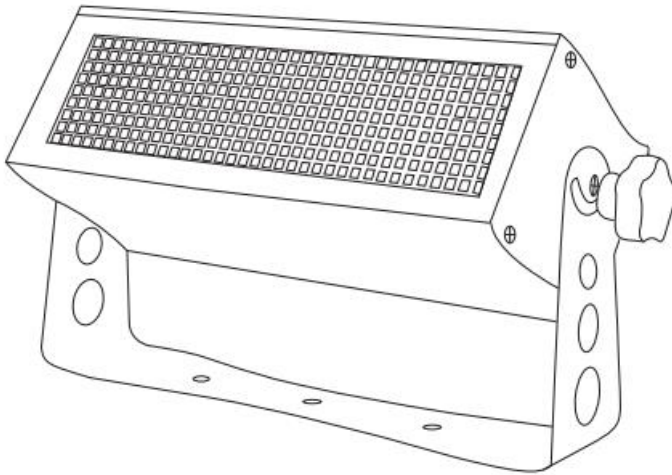


# SparkMini Strobe VW



## USER MANUAL

# 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.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

**Never look directly into the light source, as sensitive persons may suffer an epileptic shock.**

## **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.**

# PREPARATION FOR USE

## UNPACKING

Thank you for having chosen LEDING

Unpack the device, inside the box you should find:

The fixture device

One power cable

One XLR connection 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.

## 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
- low capacitance
- max. transmission rate 250kBaud.

## DMX-512 connection with DMX terminator

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.

### AC Power Connection

The auto-ranging power supply automatically adjusts to AC power from 110-240 volts nominal at 50/60 Hz.

The current required by the SparkMini Strobe VW is 4.5 amps. To avoid overload, allow one 4.5 amp branch circuit per fixture to operate the SparkMini Strobe VW model at full power.

Use 2.5 mm<sup>2</sup> (14 AWG) or larger power feed cables and keep runs as short as possible.

Do not link more than 4 fixtures for the one single power chain.

# Specifications

**Light Source :** 324pcs White 5050 LED, no ultraviolet radiation

**Life Time:** More than 50000 hours for the LED light source

**Output:** 35000 for white version,15000lm for RGB version

**DMX mode:** 2/3/4/8

**Dimmer:** 16Bit Dimmer

**Operating Mode:** DMX Mode /Master-slave mode

**Power:** AC110-240V 50/60Hz 200W

**Cooling:** Diecasting heatsink, Convection cooling, no fans, no noise

**Over Heat Protect:** With temperature sensor to extend the lamp life

**LED Scan Rate:** 1KHz LED scan rate

**Size:** Compact size, 2.8kg

## **Effects:**

9 segments LED/ 3 segments for RGB version, can be controlled separately, with 16bit dimmer

Flash duration can be set from 0 to 650ms in DMX mode(except 1 channel mode) 0-30 flashes per second

Ramp up effect: Light gradually increases in intensity, then blacks out

Ramp down effect: Light flashes to full intensity, then gradually fades.

Ramp up-down effect: Light gradually increases and decreases

Radom flash effect: Light flashes randomly with variable rate and intensity.

Multiple units flash independently of each other.

Blinder effect: the light remains on (Lamp power is electronically regulated to prevent the lamp from overheating)

Lightning effect: the flashes simulate lightning, duration is not adjustable.

Spikes: the lamp remains dimly illuminated between flashes, set flash intensity, duration and rate as normal.

## **NOTE!**

**The brightness will decrease gradually when the led temperature is over 55°C, and if over 70°C, then will black out**

# OPERATION

## Display Menu

| Menu        | Sub-menu      |                |
|-------------|---------------|----------------|
| Config Mode | Channel Mode  | 2ch            |
|             |               | 3ch            |
|             |               | 4ch            |
|             |               | 8ch            |
|             | Keep Screen   | Enable/Disable |
|             | Keep DMX Data | Enable/Disable |
|             | Fast Dimmer   | Enable/Disable |
| System Info | Temperature   | Head XX °C     |
|             |               | Body XX °C     |
| Led All On  |               |                |
| Auto Test   | Auto Mode 1   |                |
|             | Auto Mode 2   |                |
|             | Auto Mode 3   |                |
| Led Test    | Warm White    | 0 - 255        |
|             | Cool White    | 0 - 255        |
|             | Strobe        | 0 - 255        |

## DMX functions and values

| Channel<br>2 | No. | Function   | Value   | Description |
|--------------|-----|------------|---------|-------------|
|              | 1   | Warm white | 000-255 | 0-100%      |
|              | 2   | Cool white | 000-255 | 0-100%      |

| Channel<br>3 | No. | Function      | Value   | Description |
|--------------|-----|---------------|---------|-------------|
|              | 1   | Master dimmer | 000-255 | 0-100%      |
|              | 2   | Warm white    | 000-255 | 0-100%      |
|              | 3   | Cool white    | 000-255 | 0-100%      |

| Channel<br>4 | No. | Function      | Value         | Description |
|--------------|-----|---------------|---------------|-------------|
|              | 1   | Master dimmer | 000-255       | 0-100%      |
|              | 2   | Warm white    | 000-255       | 0-100%      |
|              | 3   | Cool white    | 000-255       | 0-100%      |
|              | 4   | Strobe        | 000-010       | No function |
| 011-240      |     |               | Strobe        |             |
| 241-255      |     |               | Random strobe |             |

| Channel<br>8 | No. | Function           | Value           | Description        |
|--------------|-----|--------------------|-----------------|--------------------|
|              | 1   | Master dimmer      | 000-255         | 0-100%             |
|              | 2   | Fine master dimmer | 000-255         | 0-100%             |
|              | 3   | Strobe             | 000-010         | No function        |
|              |     |                    | 011-240         | Strobe             |
|              |     |                    | 241-255         | Random strobe      |
|              | 4   | Warm white         | 000-255         | 0-100%             |
|              | 5   | Cool white         | 000-255         | 0-100%             |
|              | 6   | Auto mode          | 000-035         | No function        |
|              |     |                    | 036-041         | Tungsten effect    |
|              |     |                    | 042-071         | Ramp up            |
|              |     |                    | 072-107         | Ramp down          |
|              |     |                    | 108-143         | Ramp up & down     |
|              |     |                    | 144-215         | 2-colors           |
|              | 7   | Dimmer mode        | 216-255         | Random effect      |
|              |     |                    | 000-063         | Linear             |
|              |     |                    | 064-127         | Square             |
|              |     |                    | 128-191         | Invert Square      |
|              | 8   | Dimmer speed       | 192-255         | S-Curve            |
|              |     |                    | 000-254         | No tungsten effect |
|              |     | 255                | Tungsten effect |                    |

**When the lighting is under the Pixel mode, the brightness will be only 40% of Maximum power, and it can be used as wash/flood lighting.**

# 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.

## **TECHNICAL SPECIFICATIONS**

Power supply: 110V~240V AC, 50 Hz /60Hz

Power consumption: max. 200 W

Waterproof grade: IP 20

Net weight: 2.8 KGS

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