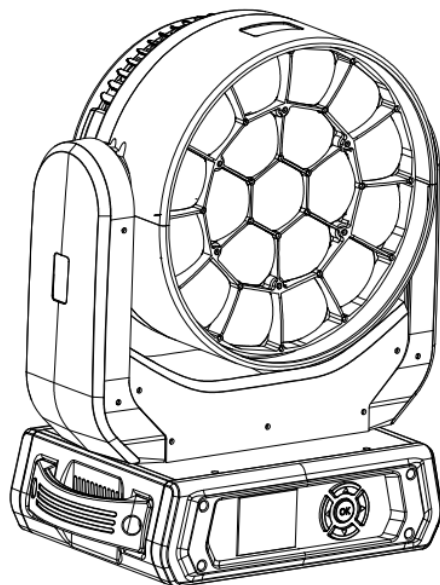




**User Manual: Squared Spidery 19x40W**

# SQUARELED SPIDERY

19x40W LED Zoom Wash Beam



**USER MANUAL**

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## INTRODUCTION

Thank you for having chosen our LED lighting

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 problems, consult your dealer and don't install this device.

## DESCRIPTION

Features

- Light source: 19 \* 40W RGBW OSRAM
- Lamp life: more than 50000 hours
- Scan rate: 1000/5000/10000/50000 Hz selectable (Flicker free)
- Dimmer Curve: S/L/I/Q 4 curves selectable.
- Input voltage: 110-240V AC, 50-60hz
- Virtual Color Wheel function: 2800K-10000K color temperature and various colors
- Max power: 850W
- Electronic zoom: 3.5-60 degrees
- Channel: 10/11/17/18/25/29 channels selectable
- PAN 540degrees; tilt 230degrees
- Product size: 341(L)x230(W)x460(H)mm
- Weight: 13KG
- IP20

## 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.**

**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.

**Operation**  
**Display Menu**

| Menu        | Sub-menu       |              |                     |
|-------------|----------------|--------------|---------------------|
| Information | DMX512 Monitor | Channel XXX  |                     |
|             |                | System       | Hour:XXX<br>Min:XXX |
|             | Time Record    | Clear Record |                     |

|         | Sensor             | Temperature                          | Head Temp:XXX  |
|---------|--------------------|--------------------------------------|----------------|
|         |                    | Body Position                        |                |
| Config  | Channel mode       | XXXCh                                |                |
|         | Keep Dmx Data      | Disable/Enable                       |                |
|         | Fast Dimmer        | Off/On                               |                |
|         | Scan Rate          | 1000Hz/5000Hz<br>/10000Hz/50000Hz    |                |
|         | Dimmer Curve       | L/S/I/Q                              |                |
|         | Fan Mode           | Low/Standard/High                    |                |
|         | WDmx Power         | Off/On                               |                |
|         | WDmx Unlink        | No/Yes                               |                |
|         | Pan Tilt           | Pan Invert                           | Disable/Enable |
|         |                    | Tilt Invert                          | Disable/Enable |
|         |                    | Pan Tilt Swap                        | Disable/Enable |
|         | Backlight          | Auto off:45s/Auto<br>off:10s/Auto on |                |
|         | Monitor<br>Direct  | Auto Change/Normal/Invert            |                |
|         | Default<br>Config  | No/Yes                               |                |
| Control | Dmx512 HM          | HM Enable                            | Disable/Enable |
|         |                    | HM Val                               | Channel XXX    |
|         | Test Mode          | Disable/All                          |                |
|         | FanTest            | On/Off                               |                |
|         | Ping               | XXX                                  |                |
|         | Reset Motor        | No/Yes                               |                |
|         | Break<br>Resetting | No/Yes                               |                |

|     |            |                |  |
|-----|------------|----------------|--|
| RDM | RDM_Status | Enable/Disable |  |
|     | RDM_UID    | XXX            |  |
|     | RDM_ID     | XXX            |  |
|     | RDM_Label  | XXX            |  |

## Main functions

### 1. address:Current DMX address

#### A.Setting DMX address by button

press **ENTER** button when show the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button

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

#### B.Setting DMX address by controller

**1.**Set the DMX value of channel 5 to 10-15, channel 17 to 20-26, channel 7 to 30-36,channel 8 to 40-46,then the devices connected to the controller will enter to the setting address mode

**2.** Set the DMX value of **channel 1** from 0-59, then you will see the first number of the Address change to (channel 1 value)/10.

**For example**, when set the value of channel 1 to 20, the first DMX address number will be  $2(20/10=2)$ ,

**3.** Set the DMX value of **channel 2** from 0-99, then you will see the second number of the Address change to (channel 2 value)/10.

**For example**, when set the value of channel 2 to 30, the first DMX address number will be  $2(30/10=3)$ ,

**4.**Set the DMX value of **channel 3** from 0-99, then you will see the third number of the Address change to (channel 3 value)/10.

**For example**, when set the value of channel 1 to 40, the first DMX address number will be  $3(40/10=4)$ ,

And the DMX address you set by controller will be 234.

**5.** Set the DMX value of **channel 4** to 255, then you will save the DMX address set by the controller.

**Caution: It won't save the address if the address number is over 512**

**6.** set the value of channel 5-8 out of the value range show on the step 1, and the device will exit the setting address mode

### 2. Config

#### Setting DMX mode

press **ENTER** button when show the **channel** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button

#### Setting Dimmer Curve

press **ENTER** button when show the **dimmer curve** menu, then select the dimmer curve by pressing **[UP]** or **[DOWN]** button

### **Setting Cipher**

press **ENTER** button when show the **cipher setup** menu, then setup cipher by pressing **[UP]** or **[DOWN]** button

### **Key mode**

press **ENTER** button when show the **key mode** menu, then select lock or unlock by pressing **[UP]** or **[DOWN]** button

### **Show Temperature**

press **ENTER** button when show the **Temp Uint CS** menu, select the way of showing the fixture's temperature in °C or °F by pressing **[UP]** or **[DOWN]** button

### **DMX status**

press **ENTER** button when show the **DMX Status** menu, then select clear value or hold value by pressing **[UP]** or **[DOWN]** button

### **DMX direct**

press **ENTER** button when show the **DMX direct** menu, then select DMX direct positive or negative by pressing **[UP]** or **[DOWN]** button

### **Display mode**

press **ENTER** button when show the **Display Mode** menu, then select auto or on by pressing **[UP]** or **[DOWN]** button

## **3. System info**

### **Temperature**

press **ENTER** button when show the **Temperature** menu, then it will show the temperature of the fixture

### **Fixture time**

press **ENTER** button when show the **Fixture time** menu, then it will show how long time of the fixture already used

## **4. Color menu**

press **ENTER** button when show the **Color** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

## **5. White balance**

press **ENTER** button when show the **white balance** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

## **6. Static test**

press **ENTER** button when show the **static test** menu, select different color by pressing **[UP]** or **[DOWN]** button

## **7. Auto test**

press **ENTER** button when show the **auto test** menu, select test mode by pressing **[UP]** or **[DOWN]** button



8. Factory setting

press **ENTER** button when show the **Factory setting** menu, adjusting color cablir by pressing **[UP]** or **[DOWN]** button

DMX functions and values

| Channel mode |    | Function name | Value     | Function         |
|--------------|----|---------------|-----------|------------------|
| 11           | 1  | Pan           | 0 - 255   | 0-180°           |
|              | 2  | Fine Pan      | 0 - 255   | 0-0.7°           |
|              | 3  | Tilt          | 0 - 255   | 0-540°           |
|              | 4  | Fine Tilt     | 0 - 255   | 0-2°             |
|              | 5  | Zoom          | 0 - 255   | 0 - 100%         |
|              | 6  | Master Dimmer | 000 - 255 | 0 - 100%         |
|              | 7  | All Red LED   | 000 - 255 | 0 - 100%         |
|              | 8  | All Green LED | 000 - 255 | 0 - 100%         |
|              | 9  | All Blue LED  | 000 - 255 | 0 - 100%         |
|              | 10 | All White LED | 000 - 255 | 0 - 100%         |
|              | 11 | Reset         | 200-220   | Hold > 5 seconds |
| 17           | 1  | Pan           | 0 - 255   | 0-180°           |
|              | 2  | Fine Pan      | 0 - 255   | 0-0.7°           |

|  |    |                    |           |              |
|--|----|--------------------|-----------|--------------|
|  | 3  | Tilt               | 0 - 255   | 0-540°       |
|  | 4  | Fine Tilt          | 0 - 255   | 0-2°         |
|  | 5  | Zoom               | 0 - 255   | 0 - 100%     |
|  | 6  | Master Dimmer      | 000 - 255 | 0 - 100%     |
|  | 7  | Master Dimmer fine | 000 - 255 | 0 - 100%     |
|  | 8  | All Red LED        | 000 - 255 | 0 - 100%     |
|  | 9  | All Green LED      | 000 - 255 | 0 - 100%     |
|  | 10 | All Blue LED       | 000 - 255 | 0 - 100%     |
|  | 11 | All White LED      | 000 - 255 | 0 - 100%     |
|  | 12 | Duration_RGB       | 000 - 255 | 0 - 100%     |
|  | 13 | Strobe_RGB         | 000 - 255 | Slow to Fast |
|  | 14 | Color Wheel        | 0 - 4     | normal       |
|  |    |                    | 5 - 15    | 3200K-10000K |
|  |    |                    | 16-255    | Color        |
|  | 15 | Macro              | 000 - 255 | Effect 1-5   |
|  | 16 | speed              | 000 - 255 | Fast to slow |

|    |    |                    |           |                  |
|----|----|--------------------|-----------|------------------|
|    | 17 | Reset              | 200-220   | Hold > 5 seconds |
| 29 | 1  | Pan                | 0 - 255   | 0-180°           |
|    | 2  | Fine Pan           | 0 - 255   | 0-0.7°           |
|    | 3  | Tilt               | 0 - 255   | 0-540°           |
|    | 4  | Fine Tilt          | 0 - 255   | 0-2°             |
|    | 5  | Zoom               | 0 - 255   | 0 - 100%         |
|    | 6  | Master Dimmer      | 000 - 255 | 0 - 100%         |
|    | 7  | Master Dimmer fine | 000 - 255 | 0 - 100%         |
|    | 8  | All Red LED        | 000 - 255 | 0 - 100%         |
|    | 9  | All Green LED      | 000 - 255 | 0 - 100%         |
|    | 10 | All Blue LED       | 000 - 255 | 0 - 100%         |
|    | 11 | All White LED      | 000 - 255 | 0 - 100%         |
|    | 12 | Duration_RGB       | 000 - 255 | 0 - 100%         |
|    | 13 | Strobe_RGB         | 000 - 255 | Slow to Fast     |
|    | 14 | Color Wheel        | 0 - 4     | normal           |
|    |    |                    | 5 - 15    | 3200K-10000K     |

|    |             |           |                  |
|----|-------------|-----------|------------------|
|    |             | 16-255    | Color            |
| 15 | Macro       | 000 - 255 | Effect 1-5       |
| 16 | speed       | 000 - 255 | Fast to slow     |
| 17 | Reset       | 200-220   | Hold > 5 seconds |
| 18 | Red Ring1   | 000 - 255 | 0 - 100%         |
| 19 | Green Ring1 | 000 - 255 | 0 - 100%         |
| 20 | Blue Ring1  | 000 - 255 | 0 - 100%         |
| 21 | White Ring1 | 000 - 255 | 0 - 100%         |
| 22 | Red Ring2   | 000 - 255 | 0 - 100%         |
| 23 | Green Ring2 | 000 - 255 | 0 - 100%         |
| 24 | Blue Ring2  | 000 - 255 | 0 - 100%         |
| 25 | White Ring2 | 000 - 255 | 0 - 100%         |
| 26 | Red Ring3   | 000 - 255 | 0 - 100%         |
| 27 | Green Ring3 | 000 - 255 | 0 - 100%         |
| 28 | Blue Ring3  | 000 - 255 | 0 - 100%         |
| 29 | White Ring3 | 000 - 255 | 0 - 100%         |

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|    |                    |           |          |
|----|--------------------|-----------|----------|
| 1  | Pan                | 0 - 255   | 0-180°   |
| 2  | Fine Pan           | 0 - 255   | 0-0.7°   |
| 3  | Tilt               | 0 - 255   | 0-540°   |
| 4  | Fine Tilt          | 0 - 255   | 0-2°     |
| 5  | Zoom               | 0 - 255   | 0 - 100% |
| 6  | Master Dimmer      | 000 - 255 | 0 - 100% |
| 7  | Master Dimmer fine | 000 - 255 | 0 - 100% |
| 8  | Red Ring1          | 000 - 255 | 0 - 100% |
| 9  | Green Ring1        | 000 - 255 | 0 - 100% |
| 10 | Blue Ring1         | 000 - 255 | 0 - 100% |
| 11 | White Ring1        | 000 - 255 | 0 - 100% |
| 12 | Red Ring2          | 000 - 255 | 0 - 100% |
| 13 | Green Ring2        | 000 - 255 | 0 - 100% |
| 14 | Blue Ring2         | 000 - 255 | 0 - 100% |
| 15 | White Ring2        | 000 - 255 | 0 - 100% |
| 16 | Red Ring3          | 000 - 255 | 0 - 100% |

|    |    |              |           |                  |
|----|----|--------------|-----------|------------------|
|    | 17 | Green Ring3  | 000 - 255 | 0 - 100%         |
|    | 18 | Blue Ring3   | 000 - 255 | 0 - 100%         |
|    | 19 | White Ring3  | 000 - 255 | 0 - 100%         |
|    | 20 | Duration RGB | 000 - 255 | 0 - 100%         |
|    | 21 | Strobe RGB   | 000 - 255 | Slow to Fast     |
|    | 22 | Color Wheel  | 0 - 4     | normal           |
|    |    |              | 5 - 15    | 3200K-10000K     |
|    |    |              | 16-255    | Color            |
|    | 23 | Macro        | 000 - 255 | Effect 1-5       |
|    | 24 | speed        | 000 - 255 | Fast to slow     |
|    | 25 | Reset        | 200-220   | Hold > 5 seconds |
|    |    |              |           |                  |
| 10 | 1  | Pan          | 0 - 255   | 0-180°           |
|    | 2  | Fine Pan     | 0 - 255   | 0-0.7°           |
|    | 3  | Tilt         | 0 - 255   | 0-540°           |
|    | 4  | Fine Tilt    | 0 - 255   | 0-2°             |
|    | 5  | Zoom         | 0 - 255   | 0 - 100%         |

|    |    |               |           |                  |
|----|----|---------------|-----------|------------------|
|    | 6  | All Red LED   | 000 - 255 | 0 - 100%         |
|    | 7  | All Green LED | 000 - 255 | 0 - 100%         |
|    | 8  | All Blue LED  | 000 - 255 | 0 - 100%         |
|    | 9  | All White LED | 000 - 255 | 0 - 100%         |
|    | 10 | Reset         | 200-220   | Hold > 5 seconds |
| 18 | 1  | Pan           | 0 - 255   | 0-180°           |
|    | 2  | Fine Pan      | 0 - 255   | 0-0.7°           |
|    | 3  | Tilt          | 0 - 255   | 0-540°           |
|    | 4  | Fine Tilt     | 0 - 255   | 0-2°             |
|    | 5  | Zoom          | 0 - 255   | 0 - 100%         |
|    | 6  | Red Ring1     | 000 - 255 | 0 - 100%         |
|    | 7  | Green Ring1   | 000 - 255 | 0 - 100%         |
|    | 8  | Blue Ring1    | 000 - 255 | 0 - 100%         |
|    | 9  | White Ring1   | 000 - 255 | 0 - 100%         |
|    | 10 | Red Ring2     | 000 - 255 | 0 - 100%         |
|    | 11 | Green Ring2   | 000 - 255 | 16               |

|  |    |             |           |                  |
|--|----|-------------|-----------|------------------|
|  | 12 | Blue Ring2  | 000 - 255 | 0 - 100%         |
|  | 13 | White Ring2 | 000 - 255 | 0 - 100%         |
|  | 14 | Red Ring3   | 000 - 255 | 0 - 100%         |
|  | 15 | Green Ring3 | 000 - 255 | 0 - 100%         |
|  | 16 | Blue Ring3  | 000 - 255 | 0 - 100%         |
|  | 17 | White Ring3 | 000 - 255 | 0 - 100%         |
|  | 18 | Reset       | 200-220   | Hold > 5 seconds |

## 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 serviceable 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, oscillation-free and fire-resistant location.





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