

# MOVING QUAD SPIDER

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*Beam Moving Head*



## **USER MANUAL / MANUAL DE USUARIO**

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE USE  
*POR FAVOR LEA LAS INSTRUCCIONES ANTES DE USAR*



# 1. OVERVIEW

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## Moving Quad Spider

*Double tilt rotation beam moving head*  
*6 x 10W 4-in-1 LEDs*

**Moving Quad Spider** is a beam moving head effect that sports 6 x 10W 4-in-1 RGBW LEDs divided into 2 tilt bars. The unit has a beam angle of 4° for each one of its LEDs. Thanks to its 15 integrated programs, pan and tilt movement, and its razor sharp beams, the unit is capable of creating incredible effects, generating various sequences and dynamic light crossings. Moving Quad Spider was designed to give you great flexibility with its 4 modes of operation, DMX, Master / Slave, Auto-run and sound active.

### *Movement*

- Tilt: 90°
- Pan: 540°
- Adjustable speed
- Independent control of each bar

### *Physical*

- 4-digit LED screen
- Power connector
- DMX connectors: 2 XLR connectors (XLR-3 input & output)
- Dimensions: 225x145x220 mm. / 8.85x5.70x8.66 in.
- Weight: 3.38 Kg. / 7.45 Lbs.

## Specifications

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### *Source & Optics*

- Light Source: 6 x 10W 4-in-1 LEDs
- Average lifespan: 50,000 hours
- Beam angle: 4°

### *Effects and functions*


- Razor sharp beams
- Strobe effect
- Pulse effect
- Adjustable speed
- 15 integrated programs
- Linear dimmer 0-100%

### *Control*


- Operational modes: DMX, Master/Slave, Auto-run & audiorithmic
- Canales DMX: 10/14


## 2. SAFETY INSTRUCTIONS

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.




**Caution**  
Keep this equipment away from rain, moisture and liquids.





**Caution**  
Unplug mains lead before opening the housing.



Every person involved with the installation, operation and maintenance of this device has to:

- Be qualified
- Follow carefully the instructions of this manual

## 3. DMX-512 CONTROL CONECTION

Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

FIGURE 2

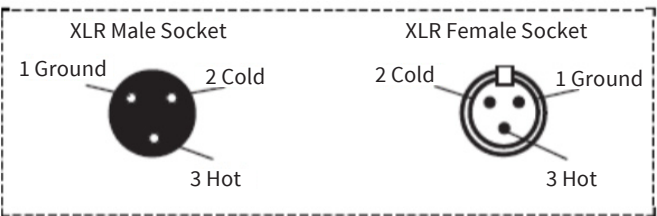
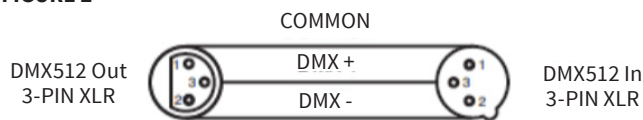
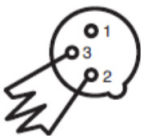


FIGURE 3

XLR Pin Configuration
Pin 1: Ground
Pin 2: Data Compliment (negative)
Pin 3: Data True (positive)

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator will decrease the possibilities of erratic behavior.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

## 4. MENU FUNCTION

**Menu Button** (from left to right) "menu", "up", "down", "OK"

**System Menu** When making adjustments press ENTER to confirm your setup then press and hold the MENU button for at least 3 seconds. To exit without making any adjustments press the MENU button. The display will lock after 30 seconds, press the MENU button for 3 seconds to unlock.

addr { 0000 }  
          { 512 } **DMX Address**

chnd { 1ch }  
      { 15ch } **Channel Modes**

slnd { 01SE }  
      { 5111 }  
      { 5112 } **Master/Slave Mode**

shnd { 5h0 }  
      { 000 }  
      { 000 }  
      { 5h15 } **Show Mode**

Auto { 0FF }  
      { on } **Auto Mode**

SoUn { on }  
      { 0FF } **Sound Mode**

SENS { 0000 }  
      { 100 } **Sound Sense**

Plnt { no }  
      { YES } **Pan positive direction  
or reverse direction**

tlnt { no }  
      { YES } **Tilt 1 positive direction  
or reverse direction**

tlnt { no }  
      { YES } **Tilt 2 positive direction  
or reverse direction**

LED { 0FF }  
      { on } **Backlight**

diSP { diSP }  
      { diSP } **Display**

TEST **Auto Test**

RESET **Reset**

### ADDR - DMX Address Setting.

1. Press the either the MENU, UP, or DOWN buttons until "ADDR" is displayed, press ENTER.
2. The current address will now be displayed and flashing. Press the UP or DOWN buttons to find your desired address. Press ENTER to set your desired DMX address.

**CHND - This will let select your desired DMX channel mode.**

1. Press the MENU button until “CHND” is displayed, press ENTER. The current DMX channel mode will be displayed.
2. Press the UP or DOWN buttons to find your desired DMX channel.

**SLND - This will let you set unit as a master or slave in a master/slave configuration.**

1. Press the MENU button until “SLND” is displayed, press ENTER. Either “MAST”, “SL 1”, or “SL 2” will be displayed.
2. Press the UP or DOWN buttons until your desired setting is displayed, press ENTER to confirm.

*NOTE: In a Master/Slave configuration you can set one fixture to Master and then set the next fixture to “SL 2”, the fixtures will now have contrast movement to each other.*

**SHND - Show modes 0-15 (Factory programs). Show mode can run with or without sound active mode active.**

1. Press the MENU button until “SHND” is displayed, press ENTER.
2. “Sh X” will now be displayed, “X” representing a number between 0-15. Shows 1-15 are factory programs, while show “0” is random mode. Use the UP or DOWN buttons to find your desired show.
3. When you have found your desired show press ENTER, then press and hold the MENU button for at least 3 seconds to activate. After you have set your desired show, it can be changed at any time using the UP or DOWN buttons.

**AUTO- auto run mode.**

1. Press the MENU button until “AUTO” is displayed, press ENTER.

**SOUN - Sound Active mode.**

1. Press the MENU button until “SOUN” is displayed, press ENTER.

2. The display will show either “ON” or “OFF”. Press the UP or DOWN buttons to select “ON” to activate sound active mode, or “OFF” to deactivate sound active mode.
3. Press ENTER to confirm.

**SENS - In this mode you can adjust the sound sensitivity.**

1. Press the MENU button until “SENS” is displayed, press ENTER.
2. A number between 0-100 will be displayed. Press the UP or DOWN buttons to adjust the sound sensitivity. 0 being the least sensitive, and 100 being the most sensitive.
3. When you have found your desired setting press ENTER to confirm.

**PINT- With this function you can choose positive direction or reverse direction of Pan. This option is used to reverse the Pan direction.**

1. Press the MENU button until “PINT” is displayed, press ENTER.
2. Press the “YES” or “NO” button to select reverse or not reverse, choose “Yes” means direction of Pan, choose “No” means negative direction of Pan.
3. When you have found your desired setting press ENTER to confirm.

**TIN1 - With this function you can choose positive direction or reverse direction of Tilt 1.**

1. Press the MENU button until “TIN1” is displayed, press ENTER.
2. Press the “YES” or “NO” button to select reverse or not reverse, choose “Yes” means direction of Tilt1, choose “No” means negative direction of Tilt1.
3. When you have found your desired setting press ENTER to confirm.

**TIN2 - With this function you can choose positive direction or reverse direction of Tilt 2.**

1. Press the MENU button until “TIN2” is displayed, press ENTER.

2. Press the “YES” or “NO” button to select reverse or not reverse , choose “Yes” means direction of Tilt2, choose “No” means negative direction of Tilt2.
3. When you have found your desired setting press ENTER to confirm.

**LED - With this function you can have the LED display turn off after 5 seconds.**

1. Press the MENU button until “LED” is displayed, press ENTER.
2. The display will show either “ON” or “OFF”. Press the UP or DOWN buttons to select “ON” to keep the LED display on at all times, or “OFF” to switch to have the LED display switch off after 10 seconds.

**DISP - This function will reverse the display 180°.**

1. Press the MENU button until “DISP” is displayed, press ENTER.
2. Press the UP button to select “DSIP” to reverse the display, or “DISP” to change the display back.
3. Press ENTER to confirm. To make you LED display reappear again press any button.

**TEST - This function will run a self test program.**

1. Press the MENU button until “TEST” is displayed, press ENTER. Positions.

**RSET- This function will reset the program.**

1. Press the MENU button until “RSET” is displayed, press ENTER. positions.

## 5. DMX CHANNELS

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### 11 channel definition table

Channel	DMX Value	Function
1	0-255	Pan
2	0-255	Tilt 1
3	0-255	Tilt 2
4	0-255	P/t Speed
5	0-255	Dimmer from 0-100%
6		<b>Strobe</b>
	000-007	Off
	008-015	On
	016-131	Strobe from slow to fast
	132-139	On
	140-181	Strobe Fast open slow close
	182-189	On
	190-231	Strobe Slow open fast close
	232-239	On
	240-247	Random strobe
	248-255	On

7	0-255	Red Dimming
8	0-255	Green Dimming
9	0-255	Blue Dimmin
10	0-255	White Dimming
11		<b>Special Function</b>
	000-007	Only others channels can be controlled
	008-063	Auto run
	064-127	Sound active
	128-255	Reset

## 15 channel definition table

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7	0-255	Red 1 Dimming
8	0-255	Green 1 Dimming
9	0-255	Blue 1 Dimming
10	0-255	White 1 Dimming
11	0-255	Red 2 Dimming
12	0-255	Green 2 Dimming
13	0-255	Blue 2 Dimming

14	0-255	White 2 Dimming
15		<b>Special Function</b>
	000-007	Only others channels can be controlled
	008-063	Auto run
	064-127	Sound active
	128-255	Reset

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**Design and product specifications are subject to change without prior notice.**



