

CLAIR LIGHTING

LED Spider

User's Manual



USER MANUAL

Introduction

Unpacking: Thank you for purchasing LED Spider 810 RGBW. Every unit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the unit has arrived well. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without pre-notice.



Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire



Fire

1. Maintain a minimum of 1 50cm distance from any type of flame
2. Replace fuse only with the specified type and rating
3. Do not install the unit to close a heat source
4. Make sure cable are properly secured away from unit movement
5. Maximum surface operating temperature 80°

Protection Against Electrical



Electrical

1. Disconnect power before servicing
2. The unit must be earthed (electronically grounded)

Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock

PLEASE recycle the shipping carton whenever possible

General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit for future reference.

Features

- Multi-Colors
- Color Strobe
- Electronic Dimming 0-100%
- Daisy Chain Units together in DMX Mode
- Master/Slave synchronization
- LED operation menu
- DMX-512 protocol
- With Sound Control

Safety Precautions

- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are user serviceable parts inside.
- Never operate this unit when its rear cover is removed.
- Never plug this unit into a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- During long periods of non-use, disconnect the units main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning unit should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.
- Heat –The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The unit should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

DMX Linking: To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path possible. The order in which units are connected in a DMX line does not influence the DMX addressing. For example; a unit assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a unit is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Operating Instructions

Operating Modes: You can use the unit in 4 ways:

- Auto Mode-The unit will automatically chase through the different colors.
- DMX control mode – This function will allow you to control each individual units traits with a standard DMX 512 controller.
- Master-slave mode – One unit will work as the master in the one of the above three modes, other units in the chain will work in synchronization towards the master.
- Sound control - The unit will react to sound, chasing through the built-in programs.

DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your units as spot lights.

1. This function will allow you to control each individual unit's traits with a standard DMX 512 controller.
2. The unit has 6Chs/12Chs two DMX channels modes to operate. Please see "DMX channels/function/ description/ value" for the DMX traits.
3. To run your unit in DMX mode, plug in the unit via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

Menu Operation



Control Panel

Button	Function
<MENU>	Scrolls through the main menu and exits from the current menu or function
<UP>	Navigates upward through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list and decreases the numeric value when in a function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function

Menu Map

Menu	Description
Addr	DMX Address. Press Enter to select the start address value. Use the up/down keys to select the desired start address. Press Enter to confirm.
cLnd	To select head operating direction, "-" is reversed. Use the up/down keys to select. Press Enter to confirm
cHnd	This function allows you to select desired operating mode 6/12Chs. Use the up/down keys to select. Press Enter to confirm
SLnd	This function allows you to set Master/Slave mode. Use the up/down keys to select. Press Enter to confirm
SoUN	This function allows you to activate Sound Control. Use the up/down keys to select. Press Enter to confirm
LEd	This function allows you to set control panel backlight stays ON/OFF. Use the up/down keys to select. Press Enter to confirm
dISP	This function allows you to set control panel to be normal or upside down. Use the up/down keys to select. Press Enter to confirm
nRn	This function allows you to select manual operation. Use the up/down keys to select ON/OFF. Press Enter to confirm

Note: Must set fixture be MASTER and confirm SOUND be ON to activate Music control function
Must set fixture be MASTER to activate Stand-alone mode

DMX Chart

12Chs Mode

Ch1	Ch2	Ch3	Ch4	Ch5	Ch6
Head 1/Tit	Head 2/Tit	Dimmer	Strobe	LED 1	LED2
255 145° 60° 000	255 145° 60° 000	255 100% 0% 000	255 10 no function 000	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White

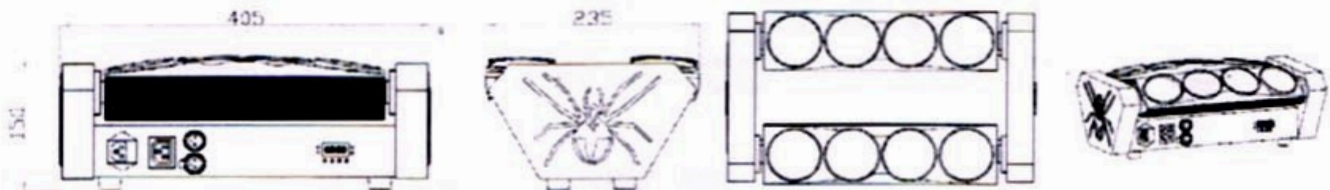
Ch7	Ch8	Ch9	Ch10
LED3	LED4	LED5	LED6
0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White

Ch11	Ch12
LED7	LED8
0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White	0-15 No function 16-30 Red 32-47 Green 48-63 Blue 64-79 White 80-95 Red+Green 96-111 Red+Blue 112-127 Red+White 128-143 Green+Blue 144-159 Green+White 160-175 Blue+White 176-191 Red+Green+Blue 196-207 Red+Green+White 208-223 Red+Blue+White 224-239 Green+Blue+White 240-255 Red+Green+Blue+White

7Chs Mode

Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7
Head 1/Tilt	Head 2/Tilt	Dimmer	Strobe	Effect	Effect Movement	built-in program
255 145° 60° 000	255 145° 60° 000	255 100% 0%	255 10 no function 000	0-7 No function 8-15 Full On 16-31 Effect 1 32-47 Effect 2 48-63 Effect 3 64-79 Effect 4 80-95 Effect 5 96-111 Effect 6 112-127 Effect 7 128-143 Effect 8 144-159 Effect 9 160-175 Effect 10 176-191 Effect 11 192-207 Effect 12 208-223 Effect 13 224-239 Effect 14 240-255 Effect 15	255 Slow Fast 000	0-127 No function 128-255 auto

Drawing Dimension:



Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe off the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on Some other DMX devices pin 5 may be "hot"). Also, check that all cables are connected to the right connectors; It does matter which way the inputs and outputs are connected.

Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit. If problems are not resolved, contact Your dealer for service.

Specifications

Model: **LED Spider810 RGBW**

Working Position: Any safe working position

Voltage: 90-250V / 50~60Hz

Power: 120W

LED Lamp : US Cree 4in1 RGBW LED 10Watts *8pcs

Lens: 6.5°

DMX Channel: 7/12 channel mode

Waterproof rate: IP20

Edge beam effect and pixel control function

Warranty: **1 Year**

Note: All information is subject to change without prior notice.