SRL-6056S
User Manual

PY-S242005

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PART I GENERAL INFORMATION

1 Introduction

Thank you very much for purchasing the SRL-6056S, our High Power LED Par Lamp series product. To assure reliable performance it designed to, please read the instructions in this manual thoroughly and carefully before application.

2 Safety Information

The following definitions of identifying the severity of the hazards associated with the products are used:

"DANGER"   Imminently hazardous situation which, if not avoided, will cause death or serious injury.

"WARNING" Potentially hazardous situation which, if not avoided, could cause death or serious injury.

"CAUTION" Potentially hazardous situation which, if not avoided, may cause minor or moderate injury or property damage. In addition, it uses to alert against unsafe practice.

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

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IGNORING A HAZARD WILL VOID ANY WARRANTY.

DANGER: Ensure that the fixture is disconnected from the main power before performing any type of service or any cleaning procedure.

WARNNING: No serviceable parts inside the fixture, do not attempt to open it.

WARNNING: The Installation must be performed by qualified professional in accordance with related local codes.

WARNNING: Do not attempt to operate the fixture before read and understand the installation instructions and safety labels.

CAUTION: Do not modify, alter, or attempt to service the SRL-6056S

CAUTION: Do not lengthen the cable of SRL-6056S unless authorized by technicians of NEO-NEON.

CAUTION: Always ground (earth) the fixture electrically.

CAUTION: Refer all service to a qualified technician.

CAUTION: When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

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3 Unpacking

The SRL-6056S has been thoroughly tested and shipped in perfect operating condition. Check the shipping carton carefully for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for damage and be sure all accessories necessary to operate the fixture have arrived intact. In case damage has been found or parts are missing, please contact the sales person for further instructions.
You can find the following components inside the box:

① . A set of SRL-6056S
② . This User Manual

4 Specifications:

- Qty of LEDs: 24 PCS (R=1W*8PCS 1.2-2.2V,G=1W*8PCS 3.0-3.6V,B=1W*8PCS 3.0-3.6V)
- Power Supply: AC220~240V
- Power Consumption: 35W
- Fuse:T1A/250V φ5X20MM
- Dimension (mm):L255×W200××H200
- Weight: 2.6kg

Note: Power configuration may differ by regions.

5 Features:

- Low power consumption
- Maintenance free operation
- 100,000 hours rated LED lifespan
- 24 PCS of high power LED generates 16.7 million additive RGB colors
- DMX, stand-alone, Master/Slave, AUTO, Sound Active
- 8 auto programs accessed via DMX-controller or stand-alone
- Sound-activated via built-in microphone of adjustable sensitivity
- Brilliant light output

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PART II Installation

1. AC power

The fixture's mains lead may require a grounding-type cord cap that fits your power distribution cable or outlet. Consult a qualified electrician if you have any doubts about proper installation.

WARNNING: For protection from dangerous electric shock, the fixture must be grounded (earthed). The AC mains power supply shall have overload and ground-fault protection.

CAUTION: Verify that the feed cables are undamaged and rated for the current requirements of all connected devices before use.

Following the cord cap manufacturer's instructions, connect the yellow and green wire to ground (earth), the brown wire to live, and the blue wire to neutral. The table below details some pin identification schemes.

Wire	Pin	Marking	Screw color
Brown	Live	"L"	Yellow or brass
Blue	Neutral	"N"	Silver
Yellow or green	Ground	⏚	Green

2. Understanding DMX

A. About DMX

DMX is the abbreviation of Digital Multiplex. It's a universal protocol used by most audio, lighting and controller manufactures as a communication mean between fixtures and controllers. A DMX controller sends out DMX instructions that travel through the DMX chain as a serial data to the fixtures via XLR cables.

DMX is a kind of "common language" allowing all modules of different manufactures to be linked together and operate from a single controller, as long as all modules and the controller are DMX compatible.

B. DMX Cable Requirements:

Your fixture, SRL-6056S uses 3-pin XLR cable as its connection media. We provide each fixture a 3-meter 3-pin XLR cable for you to chain the fixtures.

C. Connection of DMX

Connect the provided DMX XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the fixture (please refer to the figure below). You must

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chain multiple fixtures together through serial linking, never split your DMX connections unless you are using our splitter/signal amplifier such as SRL-144.
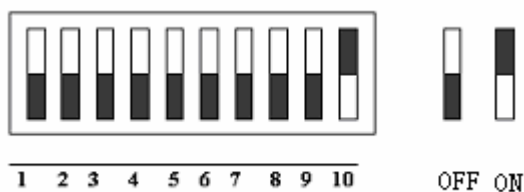
<div align="center">PART II Installation</div>

D. DMX addressing

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to "listen" to the DMX control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by combining various dipswitches. Please refer to **related sections** for further information.

3. Operation Instructions

The fixture employs two groups of dipswitches to access its functions. Normally the dipswitches from 1st to 9th are used for encoding DMX address, the 10th dipswitch for alternates among different modes.

Dipswitch 1 address equals to 1
Dipswitch 2 address equals to 2
Dipswitch 3 address equals to 4
Dipswitch 4 address equals to 8
Dipswitch 5 address equals to 16
Dipswitch 6 address equals to 32
Dipswitch 7 address equals to 64
Dipswitch 8 address equals to 128
Dipswitch 9 address equals to 256
Dipswitch 10 is reserved for selecting DMX or Master/Slave mode.

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Functions & DIP Switch：

Work Mode			DIP Switch
			1 2 3 4 5 6 7 8 9 10
Master/ Slave	AUTO	Auto Progarm　1	0 0 0 * * * 0 0 0 0
		Auto Progarm　2	1 0 0 * * * 0 0 0 0
		Auto Progarm　3	0 1 0 * * * 0 0 0 0
		Auto Progarm　4	1 1 0 * * * 0 0 0 0
		Auto Progarm　5	0 0 1 * * * 0 0 0 0
		Auto Progarm　6	1 0 1 * * * 0 0 0 0
		Auto Progarm　7	0 1 1 * * * 0 0 0 0
		Auto Progarm　8	1 1 1 * * * 0 0 0 0
	Sound Active	Sound Progarm　1	0 0 0 * * * 1 0 0 0
		Sound Progarm　2	1 0 0 * * * 1 0 0 0
		Sound Progarm　3	0 1 0 * * * 1 0 0 0
		Sound Progarm　4	1 1 0 * * * 1 0 0 0
		Sound Progarm　5	0 0 1 * * * 1 0 0 0
		Sound Progarm　6	1 0 1 * * * 1 0 0 0
		Sound Progarm　7	0 1 1 * * * 1 0 0 0
		Sound Progarm　8	1 1 1 * * * 1 0 0 0
DMX			X X X X X X X X X 1
Slave Mode			1 1 1 * * * 1 0 0 0

A. **DMX mode:**

To have the fixture working in DMX mode, please toggle off the dipswitch #10 of the first group as illustrates in below figure:
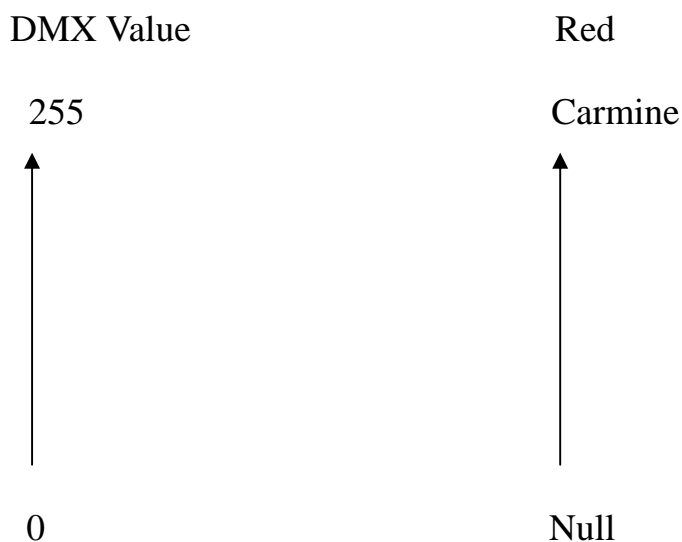
1 2 3 4 5 6 7 8 9 10   OFF ON

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By combining various dipswitches from #1 to #10, you can designate DMX address ranging from 1 to 512. The DMX channel traits in this working mode detailed as below :
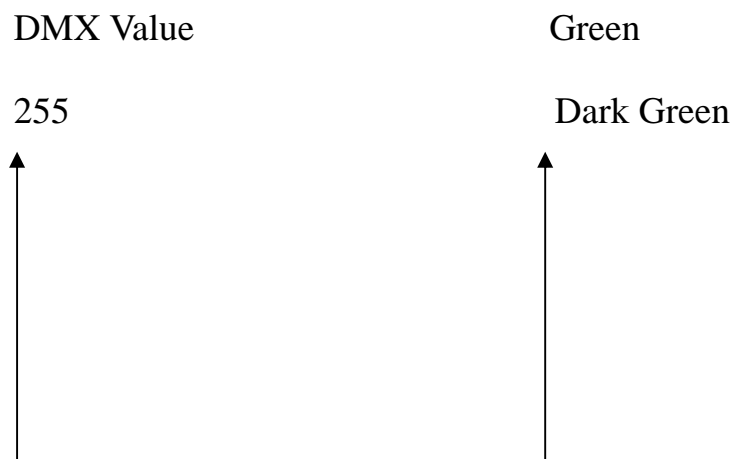
1）DMX Channel 1：（Red ）

Case: CH4=0-28:（CH4＞28，CH1 no functions）

DMX Value   Red

255   Carmine

↑   ↑

0   Null

2）DMX Channel2： （Green ）

Case: CH4=0-28: （CH4＞28，CH2 no functions）

DMX Value   Green

255   Dark Green

↑   ↑

8

0   Null

3）DMX Channel 3： （Bule）

Case: CH4=0-28: （CH4＞28，CH3 no functions）

DMX Value   Blue

255   Navy Blue

↑   ↑

0   Null

4）DMX Channel 4：Auto Program—Channel Selecting

NO.	DMX value	Effect
1	0-28	RGB 控制模式
2	29-56	Auto Progarm　1
3	57-84	Auto Progarm　2
4	85-112	Auto Progarm　3
5	113-140	Auto Progarm　4
6	141-168	Auto Progarm　5
7	169-196	Auto Progarm　6
8	197-224	Auto Progarm　7
9	225-255	Auto Progarm　8

Chart 1

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When the Channel 4 value is less than 28 , the RGB brightness is

controlled by   the DMX Channel1, Channe2 and Channel3.
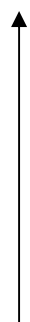
<div align="center">PART II Installation</div>

5) DMX Channel 5：Auto Program Speed

Case: CH4＞0-28（CH4≤28，CH5 no functions）

DMX Value

255   the fastest 2.5S

0   the slowest 0.4s

6) DMX Channel 6： DMX value ＜ 10,   no strobe. DMX value ＞10,
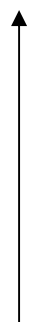
strobe.

DMX Value

255   the fastest strobe

0   the slowest strobe

PART II Installation

B. M/S mode

To work in M/S mode, you should designate one fixture as master mode and the rest as slave mode. By switching the dipswitch #10 off, you set this fixture to master mode. While by switching the dipswitch #10 on, you set this fixture to slave mode as the way you set it to DMX mode. Via Master/Slave, the master and the slave run synchronically.

C. Select auto programs

To select auto programs, turn the dipswitch #10 of the 1st group dipswitches and dipswitch#7 off. Auto programs are then selected by the various combining of dipswitches #1, #2 and #3 of group one dipswitches:

DIP1	DIP2	DIP3	Programs
OFF	OFF	OFF	Program 1, red fading
ON	OFF	OFF	Program 2, green fading
OFF	ON	OFF	Program 3, blue fading
ON	ON	OFF	Program 4, changing between red and green
OFF	OFF	ON	Program 5, changing between red and blue
ON	OFF	ON	Program 6, changing between green and blue
OFF	ON	ON	Program 7, changing among red, green and blue
ON	ON	ON	Program 8, changing among red, red and blue, blue

The parameter, fading is specified by the various combining of dipswitch #4, #5 and #6 of group two dipswitches:

DIP4	DIP5	DIP6	FADING
OFF	OFF	OFF	0%
ON	OFF	OFF	14.2%
OFF	ON	OFF	28.4%
ON	ON	OFF	42.6%
OFF	OFF	ON	56.8%
ON	OFF	ON	71%
OFF	ON	ON	85.2%
ON	ON	ON	100%

The running speed of auto programs is adjusted by turning the knob VR2 located at the front panel of the fixture.

D. Sound Active mode

Turn the dipswitch #7 on and #10 of the 1st group dipswitches off, the fixture will working in sound active mode whose sensitivity is adjustable through the tuning of knob VR1.

PART II Installation

PART III MAINTENACE AND CLEANING

Please refer to the following points during the normal inspection:

1. Be sure all screws and fasteners are securely tightened at all times. Loosened screws may cause unexpected damage or injury.

2. Electric power supply cables must not show any damage or frayed spot.

⚠️	**CAUTION:** **Make sure that the power cord of the unit is disconnected from the mains before performing the following operation to avoid shock hazard!**

We recommend, if possible, frequent cleaning of the device, which will ensure its long lifespan and bright light output. While performing the cleaning, **please always make sure that the power cord is disconnected from the mains** and use a moist, lint-free cloth. Avoid using any alcohol or solvents, as they are harmful to the fixture.

Troubleshooting

Trouble	Cause	Remedy
Fixtures do not responds.	No power supply	Check the mains power switch and the cables.
	Fuse burned	Disconnect the power and replace the fuse with the same specification. If the fuse is burned again, the problem should be cause by the circuit. Please consult the technician.
The reset is normal. But the fixtures do not responds or act abnormally via controller or Master /Slave.	data errors	Check the data bus. Ensure the signal input of the first fixture and the output of the controller to be connected.
	Wrong DMX address	Check and unify the address setting. (Note: when linked to the DMX controller, no fixtures are set as master.)

	The signal port of one lamp has failures.	Pull out the signal output and input of one fixture. Then connect both directly. Handle the rest fixtures alike to check which fixture has problems. If any problem, please connect the technician.

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V.   INSTALL:

In order to ensure the unit is installed solidly, please connect the O clamp of the products to the bracket with steel cable.

Clamp-e.g. model no. SRL- 530A from YIN YU

Screw M8x30mm

Steel wire φ3mm or the equivalent chain