

SRL-149 User Manual

● Introduction:

SRL-149 could work with Master/ Slave mode and DMX mode, also SRC-247 could control the whole system when Master/ Slave mode.

Master mode: AUTO、AUDIO

Slave mode: RGB、C&B、RGB&Stand Alone

● Specifications:

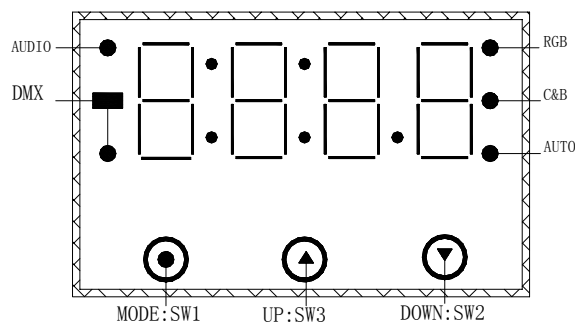
Input Voltage:-----AC220V 50/60HZ, 6.3A min , AC110V 50/60HZ, 10A min

Watts:----- 220V 500W*3 (FULL OUTPUT) , 110V 500W*3 (FULL OUTPUT)

DMX input & output:-----3Pin femate XLR

Fuse:-----F6.3A 250V 5X20MM(AC220V), F10A 125V 5X20MM(AC110V)

● Display board:



Operation:

1. Plug to power when check the input voltage, if everything is Ok the LCD shows: A: XXX (Code Address of DMX mode) or d: XXX (Brightness data of Master/ Slave mode) and some other working conditions the same as previous ones.

DMX Mode:

2. Plug 3P XLR signal cord to DMX source LED indicator turns on, otherwise off 。

RGB &B Mode: RGB indicator on, start to deal with signal for 4 channels。First channel care for Red brightness, the second channel care for Green brightness, the third channel care for Blue brightness, the fourth channel care for brightness of whole fixture.

G&B Mode: G&B Indicator on, start to deal with signal for 2 channels。First channel care for color selection. (Refer to DMX color chart) ,

The second channel care for brightness of whole fixture。

RGB & Stand Alone Mode: RGB \$ GB indicator on, 4 channels get involved. Following is the introduction for functions:

First channel	Second channel	Third channel	Fourth channel	Mode
DMX:0--29	Adjust brightness	Adjust brightness	Adjust brightness	R G B
DMX:30--94	Adjust brightness	Adjust effects	Adjust speed	Auto (8 PATTERNS)
DMX:95--159	Adjust brightness	Adjust effects		Sound active (8 PATTERNS)
DMX:160--184	Adjust brightness	Adjust effects	Adjust speed	Chasing
DMX:185--209	Adjust brightness	Adjust effects		Chase to Sound
DMX:210--234	Adjust brightness	Adjust effects	Adjust speed	Run built-in 40 colors automatically
DMX:235--255	Adjust brightness	Adjust effects		Run built-in 40 colors to sound

3. Master/ Slave mode: Connect each fixture with 3P XLR cord, set down each unit the same mode and same code address, they could be RGB or G&B or RGB & StandAlone, they will work synchronously when connected to DMX source.

Master mode:

AUTO mode: Run built-in 40 colors automatically, here are the detailed specifications:

d:XXX(000-100%): brightness of whole unit.

F:XXX(000-100): Different effects changing, duration: 0-60secs.

S:XXX(001-100): speed control, range: 50msec/step-1min/step。

AUDIO mode: Run built-in 40 colors to Audio, Sound sensitivities are adjustable, and here are the detailed specifications:
 d:XXX(000-100%): brightness of whole unit.

F:XXX(000-100): Different effects changing, duration: 0-60secs.

4. Master/ Slave: connected each unit with 3P XLR cord and set down one unit as a master and others are under RGB mode and code address 001, they will work synchronously when plug to power.

Function Introduction of Buttons:

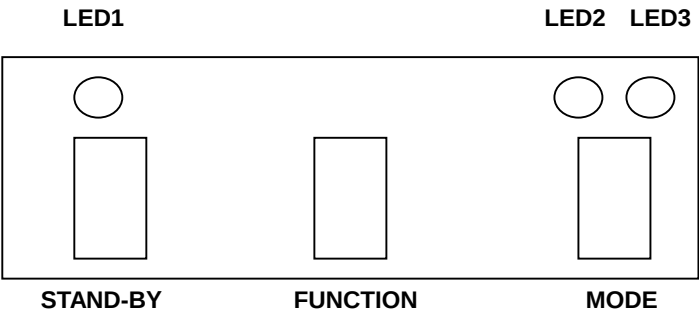
MODE : Select modes. Press “MODE” for changing modes among RGB,G&B, RGB&StanAlone,Auto, Audio.

UP & DOWN: Press “UP” and “DOWN” to get different datas.

Functions Chart

Mode	UP (SW3)	DOWN (SW2)	MODE(SW1)		Data
			Within 1sec	More than 1sec	
RGB	+1	-1	No	Mode change	A:xxx
C&B	+1	-1	No	Mode change	A:xxx
RGB&STANDALONE	+1	-1	No	Mode change	A:xxx
AUTO	+1	-1	Set down data	Mode change	d:xxx F:xxx S:xxx
AUDIO	+1	-1	Set down data	Mode change	d:xxx F:xxx

SRC-247 Foot Switch Control : (Valid only under Master/ Slave mode)



STAND-BY	MODE	FUNCTION
BLACKOUT	AUTO: LED2 & LED3 OFF	Run built-in 40 colors automatically.
	AUDIO: LED2 OFF LED3 ON	Run built-in 40 colors to Audio.
	MANUAL: LED2 ON LED3 OFF	FULL/CB: Press "FUN" constantly turns on FULL, Press "FUN" one second Brightness crease.
	LATCH: LED2 ON LED3 ON	FULL/CB: Press "FUN" constantly the Brightness crease, otherwise turns on FULL.

DMX Color chart

DMX Alorism	RED 100%	GREEN 100%	BLUE 100%	COLOR
0	0	0	0	BLACK
1-2	100	0	0	RED
3-33	100	$(N-2)*3$	0	*
34	100	100	0	Green & Red
35-65	$100-(N-34)*3$	100	0	*
66-69	0	100	0	Green
70-100	0	100	$(N-69)*3$	*
101	0	100	100	Blue& Green
102-132	0	$100-(N-101)*3$	100	*
133-136	0	0	100	Blue
137-167	$(N-136)*3$	0	100	*
168	100	0	100	Blue& Red
169-199	100	0	$100-(N-168)*3$	*
200-206	100	$(N-199)*6$	$(N-199)*12$	*
207	100	50	100	*
208-210	$100-(N-207)*12$	$50+(N-207)*12$	100	*
211	50	100	100	*
212-215	$50-(N-211)*6$	100	$100-(N-211)*12$	*
216-218	$25-(N-215)*6$	100	$50-(N-215)*6$	*
219-222	$(N-217)*6$	100	$25-(N-219)*6$	*
223-225	$38+(N-223)*6$	100	$(N-221)*6$	*
226-228	$50+(N-225)*12$	100	$25+(N-225)*6$	*
229	100	100	50	*
230-232	100	$100-(N-229)*12$	$50+(N-229)*12$	*
233	100	50	100	*
234-236	$100-(N-233)*12$	$50-(N-233)*6$	100	*
237	50	25	100	*

238-240	$50-(N-237)*6$	$25-(N-237)*6$	100	*
241-244	$25-(N-241)*6$	$(N-239)*6$	100	*
245-247	$(N-243)*6$	$(N-239)*6$	100	*
248-251	$25+(N-247)*6$	$50+(N-247)*12$	100	*
252-254	$50+(N-251)*12$	100	100	*
255	100	100	100	White

Note: 1. “N” means DMX digital (000-255) . “*” means unclear colors.

2. For Example N=239, then: Red= $50-(239-237)*6=38\%$

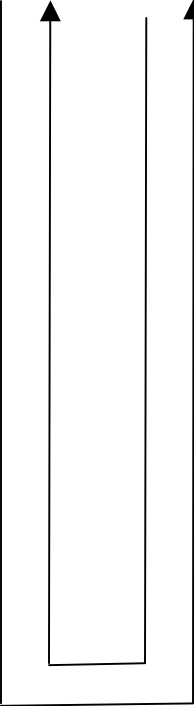
Green= $25-(239-237)*6=13\%$

Blue=100%

Color Chart for Master unit(Under d:xxx=d:100)

NO.	Red(%)	Green(%)	Blue(%)	Each color Runs In order	NO.	Red(%)	Green(%)	Blue(%)
1	0	100	0		21	100	0	20
2	0	0	100		22	0	75	100
3	100	0	0		23	0	40	100
4	100	0	100		24	0	15	100
5	100	100	0		25	50	100	0
6	0	100	100		26	25	0	100
7	75	100	0		27	0	100	25
8	40	100	0		28	100	0	50
9	15	100	0		29	0	25	100
10	100	0	75		30	100	0	50
11	100	0	40		31	25	100	0
12	100	0	15		32	50	0	100
13	75	0	100		33	100	0	25
14	40	0	100		34	0	100	50
15	15	0	100		35	100	0	25
16	0	100	75		36	0	50	100
17	0	100	40		37	100	50	100
18	0	100	15		38	50	100	100
19	100	0	80		39	100	100	50
20	100	0	50		40	100	100	100

SRC-247 Color Chart

NO	Red(%)	Green(%)	Blue(%)		NO	Red(%)	Green(%)	Blue(%)
1	0	0	0		34	100	100	100
2	3	3	3		33	96	96	96
3	6	6	6		32	93	93	93
4	9	9	9		31	90	90	90
5	12	12	12		30	87	87	87
6	15	15	15		29	84	84	84
7	18	18	18		28	81	81	81
8	21	21	21		27	78	78	78
9	24	24	24		26	75	75	75
10	27	27	27		25	72	72	72
11	30	30	30		24	69	69	69
12	33	33	33		23	66	66	66
13	36	36	36		22	63	63	63
14	39	39	39		21	60	60	60
15	42	42	42		20	57	57	57
16	45	45	45		19	54	54	54
17	48	48	48		18	51	51	51