

# SL-BS450-IP

**450W Powerful Outdoor LED Strobe Bar Light**



This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

**User manual**

Please read the instructions carefully before use

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## STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

### 1.Safety Instruction

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked. Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is  $T_a$ : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

DO NOT touch any wire during operation as high voltage might be causing electric shock.

**WARNING:**

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

DO NOT open the unit within five minutes after switching off.

The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

## **CAUTION:**

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

## **INSTALLATION:**

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## **2. Technical Specification**

Power Voltage: AC 100-240V, 50/60Hz

Power Consumption: 450W

Light Sources: 672pcs 5050 0.5W Multi-chip 3in1 RGB LEDs and 112pcs 3w White LEDs

Pixel Effect: RGBW Pixel Effect

Frost: DMX Frost function

### **Control**

DMX Channel: 7CH/15CH/17CH/33CH/70CH/112CH/117CH

Control Modes: DMX512, Auto, Master-Slave, Music

### **Construction**

Display: LCD Touch Display

DMX In/Out socket: 3-pin XLR waterproof in/out

Power Socket: Waterproof power cable in/out

Protection Rating: IP66

## Size

Packing Size: 1000\*160\*220MM

## Weight

Gross Weight: 8.5Kgs

## 3.How to Control The Device

The DMX512 is widely used in intelligent lighting control,with a DMX 512 controller.connect several lights together,dmx in and dm x out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

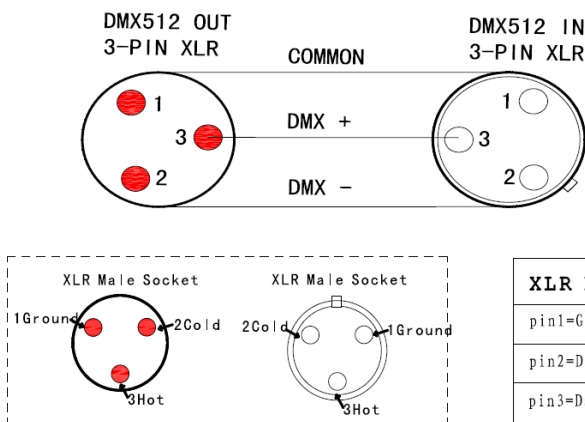


Figure2

## Display:

MENU To select the programming functions  
DOWN To go backward in the selected functions  
UP To go forward in the selected functions  
ENTER To confirm the selected functions

Set DMX Address Code

1. Press "**Menu**" to "Set DMX Address",and press "**ENTER**" keys to enter into
2. Show "Set DMX Address DMX Address:001",Press the "**UP** and **DOWN**" keys to amended
- 3 Press "**ENTER**" keys to save and Exit,Press the "**MENU**" Keys does not

save and Exit

4 Functions setting via LED display panel as below:

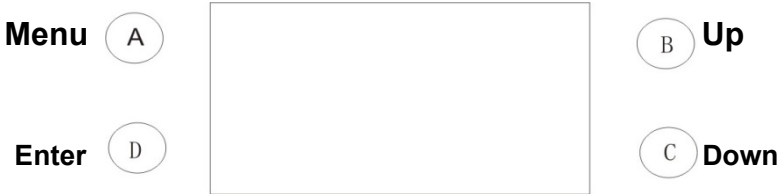
Main Menu	Secondary Menu	Third level menu	Default value
DMX setting	Address	000-512	001
	CH	7CH/15CH/17CH/33CH/70 CH/112CH/117CH	7CH
	Signal status	Keep/clear	clear
	Connect status	DMX/Net	DMX
	DMX region	001-255	001
	IP Address	000.000.000.000	000.000.000.000
	SubMask	000.000.000.000	000.000.000.000
Device test	Auto Mode	ON/OFF	ON
	R	000-255	255
	G	000-255	255
	B	000-255	255
	W	000-255	235
	Dimmer	000-255	255
	Strobe	000-255	0
	Atomization	000-255	0
	RGB Effect	000-040	OFF
	W Effect	000-010	OFF
	Speed	000-255	235
information	LED Use Hour		
	C_Temp		
	Max Temp		
	Fan State		
	Version		
Device setting	Lamp reversal	ON/OFF	关
	Dimming Speed	Fast/In/Slow	In
	Dim Curves	Line	Line
		Square	

		Return	
		S line	
	EN	中文	EN
		English	
	Screen Saver	ON/OFF	default:ON After 30 seconds of backlighting on the display screen, it enters the screen and remains lit after turning off
	LOCK	ON/OFF	default:ON Lock code: MENU-UP-DOWN-ENTER
	Rotation	YES/No	No
	Fans mode	Controll/LongTurn	default:Controll Attention: In case of temperature control short circuit or open circuit, the fan is only controlled by the light, that is, the fan starts when the light is turned on, and stops after 20 seconds of turning off the light; Under normal temperature control, the fan will start when the temperature is above 44 degrees Celsius, and stop when the temperature is below 40 degrees Celsius.
Restore	YES/No	default:No Restoring factory settings	

			(current value) and (total power limit) will not be restored
	Topic	1/3	1
Root setting	Enter password	----- (Adding keys is↑) (The minus key is↓)	↑↓↑↓
	R current	020--255	235
	G current	020--255	235
	B current	020--255	235
	Y current	020--255	235
	Power	050--255	255
	Temp	40--80	default:55 Attention to setting the temperature value of the lamp body: The lamp body needs to be connected to a temperature control resistor before this function can take effect
	Push	YES/No	default:No Host pushes to slave for updating slave parameters Attention: The signal line between the host and the slave is connected and powered on. The slave is set to DMX512 mode. After the host enters this option, the host should not be in a hurry to exit and wait for the slave light to flash to

			indicate that the slave update is successful. At this time, the host can exit.
--	--	--	--

## Menu Description



when you press the "Model" button, it will give you some information to choose.

### **DMX ADD.:** Set DMX address

Push the UP or DOWN to choose the DMX Address from 001-512,or 512-001,and push ENTER to confirm.

This function is used to set or adjust the fixture's starting DMX address. Every device controlled by DMX has to have a unique starting address.

The addressing feature is what allows DMX to function properly.

The DMX address of a fixture is what allows it to communicate with a controller properly.

### **Channel:** Choose the different channels

This function allows you to choose the DMX Channel, there are 3 kinds of DMX Channels: 7DMX Channel,15 DMX Channel , and 112CH,the UP or DOWN button to choose the mode, and push ENTER to confirm.

### **Auto Run.**

You can choose different Auto-run Model from 00 to 20, each number has represented one effect, when you have made a choice of one, press the ENTER button to choose its speed, push the UP or DOWN button to lift the speed of strobe running.

### **PS: This mode is on the condition of Auto-run Mode.**

The sensitivity adjustment of the strobe could be from 001-255, push the UP or DOWN to add the level of sensitivity to the device.

**PS: 001 is the highest one, on the opposite, 255 is the lowest.**

**Strobe:**

It can work as a strobe in stead of natural light, flash rate can be from 1-25 times per second.

LED Temp

It allows to display some details about the functionality of the card/cards and LEDs:

Current: Instantly detected operating temperature

Maximum: Maximum detected temperature

Minimum: Minimum detected temperature

Temperature Control:

When the surface temperature of strobe is higher than 75°C, it will gradually become darker than before, the lightness could be no more than 20% full lighting

Master-slave control Two or more identical lamps are connected with a DMX three-core signal line. The lamps are set to any address code from A001 to A512. Any lamp is set as the host, and the other lamps are slaves. All slave display screens do not flicker. When the host uses the gradual change, pulse change, jump change, and self-propelled effect, all slaves synchronize the gradual change, pulse change, jump change, and self-propelled effect. Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flicker randomly and not synchronized. 2. All lamps must be master and slave to work when the DMX512 console is turned off.

DMX512 Console After power is turned on, the address codes of all lamps are set, and all lamps are connected in parallel to the DMX512 console with three-core signal cables. The address code will stop flashing, indicating that the DMX512 console signal has been sent to the lamps. Use the DMX512 console to control related functions according to the instructions of each

channel.

## 2. LED display window function comparison table

Number	display	Function Description
1	Red 020-255	Red current, (020-255) default value (235)
2	Green 020-255	Green current, (020-255) default value (235)
3	Blue 020-255	Blue current, (020-255) default value (235)
4	White 020-255	White current, (020-255) default value (235)
5	Power 050-255	Total power limit, (050-255) default value (255)
6	Temp Protect 40-70	Lamp body temperature setting, (40-70) default value (50) Note: The lamp body needs to be connected to a temperature control resistor before this function can take effect
7	Language	Chinese/English
8	Push	OFF/NO

## 4. DMX Channel Table

DMX 512 7CH

Channel	Function	Value	Description
CH1	Red	0-255	Red
CH2	Green	0-255	Green

CH3	Blue	0-255	Blue
CH4	White	0-255	White
CH5	Dimmer	0-255	Dimmer
CH6	Dimmer Fine	0-255	Dimmer Fine
CH7	Frost	0-255	Frost

### DMX 512 15CH

Channel	Function	Value	Description
CH1	Red	0-255	Red
CH2	Green	0-255	Green
CH3	Blue	0-255	Blue
CH4	White	0-255	White
CH5	Macro Color	0-255	Macro Color
CH6	Dimmer	0-255	Dimmer
CH7	Dimmer Fine	0-255	Dimmer Fine
CH8	Strobe Duration	0-255	Strobe Duration
CH9	Strobe Rate	0-255	Strobe Rate
CH10	Strobe	0-255	Strobe
CH11	RGB Mode	0-255	RGB Mode
CH12	White Mode	0-255	White Mode
CH13	Mode Speed	0-255	Mode Speed
CH14	Fade out effect	0-255	Fade out effect
CH15	Frost	0-255	Frost

### DMX 512 17CH

Channel	Function	Value	Description
CH1	Red 1	0-255	Red Segment 1
CH2	Green 1	0-255	Green Segment 1
CH3	Blue 1	0-255	Blue Segment 1

CH4	Red 2	0-255	Red Segment 2
CH5	Green 2	0-255	Green Segment 2
CH6	Blue 2	0-255	Blue Segment 2
CH7	Red 3	0-255	Red Segment 3
CH8	Green 3	0-255	Green Segment 3
CH9	Blue 3	0-255	Blue Segment 3
CH10	Red 4	0-255	Red Segment 4
CH11	Green 4	0-255	Green Segment 4
CH12	Blue 4	0-255	Blue Segment 4
CH13	White 1	0-255	White Segment 1
CH14	White 2	0-255	White Segment 2
CH15	White 3	0-255	White Segment 3
CH16	White 4	0-255	White Segment 4
CH17	Frost	0-255	Frost

## MX 512 33CH

Channel	Function	Value	Description
CH1	Red 1	0-255	Red Segment 1
CH2	Green 1	0-255	Green Segment 1
CH3	Blue 1	0-255	Blue Segment 1
CH4	Red 2	0-255	Red Segment 2
CH5	Green 2	0-255	Green Segment 2
CH6	Blue 2	0-255	Blue Segment 2
CH7	Red 3	0-255	Red Segment 3
CH8	Green 3	0-255	Green Segment 3
CH9	Blue 3	0-255	Blue Segment 3
CH10	Red 4	0-255	Red Segment 4
CH11	Green 4	0-255	Green Segment 4
CH12	Blue 4	0-255	Blue Segment 4
CH13	Red 5	0-255	Red Segment 5

CH14	Green 5	0-255	Green Segment 5
CH15	Blue 5	0-255	Blue Segment 5
CH16	Red 6	0-255	Red Segment 6
CH17	Green 6	0-255	Green Segment 6
CH18	Blue 6	0-255	Blue Segment 6
CH19	Red 7	0-255	Red Segment 7
CH20	Green 7	0-255	Green Segment 7
CH21	Blue 7	0-255	Blue Segment 7
CH22	Red 8	0-255	Red Segment 8
CH23	Green 8	0-255	Green Segment 8
CH24	Blue 8	0-255	Blue Segment 8
CH25	White 1	0-255	White Segment 1
CH26	White 2	0-255	White Segment 2
CH27	White 3	0-255	White Segment 3
CH28	White 4	0-255	White Segment 4
CH29	White 5	0-255	White Segment 5
CH30	White 6	0-255	White Segment 6
CH31	White 7	0-255	White Segment 7
CH32	White 8	0-255	White Segment 8
CH33	Frost	0-255	Frost

## **MX 512 46CH**

<b>Channel</b>	<b>Function</b>	<b>Value</b>	<b>Description</b>
CH1	Dimmer	0-255	Dimmer
CH2	RGB Strobe	0-255	RGB Strobe
CH3	White Strobe	0-255	White Strobe
CH4	Frost	0-255	Frost
CH5	RGB Fade out effect	0-255	RGB Fade out effect
CH6	White Fade out	0-255	White Fade out effect

	effect		
CH7	Red 1	0-255	Red Segment 1
CH8	Green 1	0-255	Green Segment 1
CH9	Blue 1	0-255	Blue Segment 1
CH10	Red 2	0-255	Red Segment 2
CH11	Green 2	0-255	Green Segment 2
CH12	Blue 2	0-255	Blue Segment 2
CH13	Red 3	0-255	Red Segment 3
CH14	Green 3	0-255	Green Segment 3
CH15	Blue 3	0-255	Blue Segment 3
CH16	Red 4	0-255	Red Segment 4
CH17	Green 4	0-255	Green Segment 4
CH18	Blue 4	0-255	Blue Segment 4
CH19	Red 5	0-255	Red Segment 5
CH20	Green 5	0-255	Green Segment 5
CH21	Blue 5	0-255	Blue Segment 5
CH22	Red 6	0-255	Red Segment 6
CH23	Green 6	0-255	Green Segment 6
CH24	Blue 6	0-255	Blue Segment 6
CH25	Red 7	0-255	Red Segment 7
CH26	Green 7	0-255	Green Segment 7
CH27	Blue 7	0-255	Blue Segment 7
CH28	Red 8	0-255	Red Segment 8
CH29	Green 8	0-255	Green Segment 8
CH30	Blue 8	0-255	Blue Segment 8
CH31	White 1	0-255	White Segment 1
CH32	White 2	0-255	White Segment 2
CH33	White 3	0-255	White Segment 3
CH34	White 4	0-255	White Segment 4
CH35	White 5	0-255	White Segment 5
CH36	White 6	0-255	White Segment 6

CH37	White 7	0-255	White Segment 7
CH38	White 8	0-255	White Segment 8
CH39	White 9	0-255	White Segment 9
CH40	White 10	0-255	White Segment 10
CH41	White 11	0-255	White Segment 11
CH42	White 12	0-255	White Segment 12
CH43	White 13	0-255	White Segment 13
CH44	White 14	0-255	White Segment 14
CH45	White 15	0-255	White Segment 15
CH46	White 16	0-255	White Segment 16

## MX 512 70CH

Channel	Function	Value	Description
CH1	Dimmer	0-255	Dimmer
CH2	RGB Strobe	0-255	RGB Strobe
CH3	White Strobe	0-255	White Strobe
CH4	Frost	0-255	Frost
CH5	Red 1	0-255	Red Segment 1
CH6	Green 1	0-255	Green Segment 1
CH7	Blue 1	0-255	Blue Segment 1
CH8	Red 2	0-255	Red Segment 2
CH9	Green 2	0-255	Green Segment 2
CH10	Blue 2	0-255	Blue Segment 2
CH11	Red 3	0-255	Red Segment 3
CH12	Green 3	0-255	Green Segment 3
CH13	Blue 3	0-255	Blue Segment 3
CH14	Red 4	0-255	Red Segment 4
CH15	Green 4	0-255	Green Segment 4
CH16	Blue 4	0-255	Blue Segment 4
CH17	Red 5	0-255	Red Segment 5

CH18	Green 5	0-255	Green Segment 5
CH19	Blue 5	0-255	Blue Segment 5
CH20	Red 6	0-255	Red Segment 6
CH21	Green 6	0-255	Green Segment 6
CH22	Blue 6	0-255	Blue Segment 6
CH23	Red 7	0-255	Red Segment 7
CH24	Green 7	0-255	Green Segment 7
CH25	Blue 7	0-255	Blue Segment 7
CH26	Red 8	0-255	Red Segment 8
CH27	Green 8	0-255	Green Segment 8
CH28	Blue 8	0-255	Blue Segment 8
CH29	Red 9	0-255	Red Segment 9
CH30	Green 9	0-255	Green Segment 9
CH31	Blue 9	0-255	Blue Segment 9
CH32	Red 10	0-255	Red Segment 10
CH33	Green 10	0-255	Green Segment 10
CH34	Blue 10	0-255	Blue Segment 10
CH35	Red 11	0-255	Red Segment 11
CH36	Green 11	0-255	Green Segment 11
CH37	Blue 11	0-255	Blue Segment 11
CH38	Red 12	0-255	Red Segment 12
CH39	Green 12	0-255	Green Segment 12
CH40	Blue 12	0-255	Blue Segment 12
CH41	Red 13	0-255	Red Segment 13
CH42	Green 13	0-255	Green Segment 13
CH43	Blue 13	0-255	Blue Segment 13
CH44	Red 14	0-255	Red Segment 14
CH45	Green 14	0-255	Green Segment 14
CH46	Blue 14	0-255	Blue Segment 14
CH47	Red 15	0-255	Red Segment 15
CH48	Green 15	0-255	Green Segment 15

CH49	Blue 15	0-255	Blue Segment 15
CH50	Red 16	0-255	Red Segment 16
CH51	Green 16	0-255	Green Segment 16
CH52	Blue 16	0-255	Blue Segment 16
CH53	White 1	0-255	White Segment 1
CH54	White 2	0-255	White Segment 2
CH55	White 3	0-255	White Segment 3
CH56	White 4	0-255	White Segment 4
CH57	White 5	0-255	White Segment 5
CH58	White 6	0-255	White Segment 6
CH59	White 7	0-255	White Segment 7
CH60	White 8	0-255	White Segment 8
CH61	White 9	0-255	White Segment 9
CH62	White 10	0-255	White Segment 10
CH63	White 11	0-255	White Segment 11
CH64	White 12	0-255	White Segment 12
CH65	White 13	0-255	White Segment 13
CH66	White 14	0-255	White Segment 14
CH67	White 15	0-255	White Segment 15
CH68	White 16	0-255	White Segment 16
CH69	RGB Fade out effect	0-255	RGB Fade out effect
CH70	White Fade out effect	0-255	White Fade out effect

## MX 512 112CH

Channel	Function	Value	Description
CH1	Red 1	0-255	Red Segment 1
CH2	Green 1	0-255	Green Segment 1
CH3	Blue 1	0-255	Blue Segment 1

CH4	Red 2	0-255	Red Segment 2
CH5	Green 2	0-255	Green Segment 2
CH6	Blue 2	0-255	Blue Segment 2
CH7	Red 3	0-255	Red Segment 3
CH8	Green 3	0-255	Green Segment 3
CH9	Blue 3	0-255	Blue Segment 3
CH10	Red 4	0-255	Red Segment 4
CH11	Green 4	0-255	Green Segment 4
CH12	Blue 4	0-255	Blue Segment 4
CH13	Red 5	0-255	Red Segment 5
CH14	Green 5	0-255	Green Segment 5
CH15	Blue 5	0-255	Blue Segment 5
CH16	Red 6	0-255	Red Segment 6
CH17	Green 6	0-255	Green Segment 6
CH18	Blue 6	0-255	Blue Segment 6
CH19	Red 7	0-255	Red Segment 7
CH20	Green 7	0-255	Green Segment 7
CH21	Blue 7	0-255	Blue Segment 7
CH22	Red 8	0-255	Red Segment 8
CH23	Green 8	0-255	Green Segment 8
CH24	Blue 8	0-255	Blue Segment 8
CH25	Red 9	0-255	Red Segment 9
CH26	Green 9	0-255	Green Segment 9
CH27	Blue 9	0-255	Blue Segment 9
CH28	Red 10	0-255	Red Segment 10
CH29	Green 10	0-255	Green Segment 10
CH30	Blue 10	0-255	Blue Segment 10
CH31	Red 11	0-255	Red Segment 11
CH32	Green 11	0-255	Green Segment 11
CH33	Blue 11	0-255	Blue Segment 11
CH34	Red 12	0-255	Red Segment 12

CH35	Green 12	0-255	Green Segment 12
CH36	Blue 12	0-255	Blue Segment 12
CH37	Red 13	0-255	Red Segment 13
CH38	Green 13	0-255	Green Segment 13
CH39	Blue 13	0-255	Blue Segment 13
CH40	Red 14	0-255	Red Segment 14
CH41	Green 14	0-255	Green Segment 14
CH42	Blue 14	0-255	Blue Segment 14
CH43	Red 15	0-255	Red Segment 15
CH44	Green 15	0-255	Green Segment 15
CH45	Blue 15	0-255	Blue Segment 15
CH46	Red 16	0-255	Red Segment 16
CH47	Green 16	0-255	Green Segment 16
CH48	Blue 16	0-255	Blue Segment 16
CH49	Red 17	0-255	Red Segment 17
CH50	Green 17	0-255	Green Segment 17
CH51	Blue 17	0-255	Blue Segment 17
CH52	Red 18	0-255	Red Segment 18
CH53	Green 18	0-255	Green Segment 18
CH54	Blue 18	0-255	Blue Segment 18
CH55	Red 19	0-255	Red Segment 19
CH56	Green 19	0-255	Green Segment 19
CH57	Blue 19	0-255	Blue Segment 19
CH58	Red 20	0-255	Red Segment 20
CH59	Green 20	0-255	Green Segment 20
CH60	Blue 20	0-255	Blue Segment 20
CH61	Red 21	0-255	Red Segment 21
CH62	Green 21	0-255	Green Segment 21
CH63	Blue 21	0-255	Blue Segment 21
CH64	Red 22	0-255	Red Segment 22
CH65	Green 22	0-255	Green Segment 22

CH66	Blue 22	0-255	Blue Segment 22
CH67	Red 23	0-255	Red Segment 23
CH68	Green 23	0-255	Green Segment 23
CH69	Blue 23	0-255	Blue Segment 23
CH70	Red 24	0-255	Red Segment 24
CH71	Green 24	0-255	Green Segment 24
CH72	Blue 24	0-255	Blue Segment 24
CH73	Red 25	0-255	Red Segment 25
CH74	Green 25	0-255	Green Segment 25
CH75	Blue 25	0-255	Blue Segment 25
CH76	Red 26	0-255	Red Segment 26
CH77	Green 26	0-255	Green Segment 26
CH78	Blue 26	0-255	Blue Segment 26
CH79	Red 27	0-255	Red Segment 27
CH80	Green 27	0-255	Green Segment 27
CH81	Blue 27	0-255	Blue Segment 27
CH82	Red 28	0-255	Red Segment 28
CH83	Green 28	0-255	Green Segment 28
CH84	Blue 28	0-255	Blue Segment 28
CH85	Red 29	0-255	Red Segment 29
CH86	Green 29	0-255	Green Segment 29
CH87	Blue 29	0-255	Blue Segment 29
CH88	Red 30	0-255	Red Segment 30
CH89	Green 30	0-255	Green Segment 30
CH90	Blue 30	0-255	Blue Segment 30
CH91	Red 31	0-255	Red Segment 31
CH92	Green 31	0-255	Green Segment 31
CH93	Blue 31	0-255	Blue Segment 31
CH94	Red 32	0-255	Red Segment 32
CH95	Green 32	0-255	Green Segment 32
CH96	Blue 32	0-255	Blue Segment 32

CH97	White 1	0-255	White Segment 1
CH98	White 2	0-255	White Segment 2
CH99	White 3	0-255	White Segment 3
CH100	White 4	0-255	White Segment 4
CH101	White 5	0-255	White Segment 5
CH102	White 6	0-255	White Segment 6
CH103	White 7	0-255	White Segment 7
CH104	White 8	0-255	White Segment 8
CH105	White 9	0-255	White Segment 9
CH106	White 10	0-255	White Segment 10
CH107	White 11	0-255	White Segment 11
CH108	White 12	0-255	White Segment 12
CH109	White 13	0-255	White Segment 13
CH110	White 14	0-255	White Segment 14
CH111	White 15	0-255	White Segment 15
CH112	White 16	0-255	White Segment 16

## **MX 512 117CH**

<b>Channel</b>	<b>Function</b>	<b>Value</b>	<b>Description</b>
CH1	Dimmer	0-255	Dimmer
CH2	Strobe Duration	0-255	RGB Strobe
CH3	Strobe Rate	0-255	White Strobe
CH4	Strobe	0-255	Frost
CH5	Frost		
CH6	Red 1	0-255	Red Segment 1
CH7	Green 1	0-255	Green Segment 1
CH8	Blue 1	0-255	Blue Segment 1
CH9	Red 2	0-255	Red Segment 2
CH10	Green 2	0-255	Green Segment 2
CH11	Blue 2	0-255	Blue Segment 2

CH12	Red 3	0-255	Red Segment 3
CH13	Green 3	0-255	Green Segment 3
CH14	Blue 3	0-255	Blue Segment 3
CH15	Red 4	0-255	Red Segment 4
CH16	Green 4	0-255	Green Segment 4
CH17	Blue 4	0-255	Blue Segment 4
CH18	Red 5	0-255	Red Segment 5
CH19	Green 5	0-255	Green Segment 5
CH20	Blue 5	0-255	Blue Segment 5
CH21	Red 6	0-255	Red Segment 6
CH22	Green 6	0-255	Green Segment 6
CH23	Blue 6	0-255	Blue Segment 6
CH24	Red 7	0-255	Red Segment 7
CH25	Green 7	0-255	Green Segment 7
CH26	Blue 7	0-255	Blue Segment 7
CH27	Red 8	0-255	Red Segment 8
CH28	Green 8	0-255	Green Segment 8
CH29	Blue 8	0-255	Blue Segment 8
CH30	Red 9	0-255	Red Segment 9
CH31	Green 9	0-255	Green Segment 9
CH32	Blue 9	0-255	Blue Segment 9
CH33	Red 10	0-255	Red Segment 10
CH34	Green 10	0-255	Green Segment 10
CH35	Blue 10	0-255	Blue Segment 10
CH36	Red 11	0-255	Red Segment 11
CH37	Green 11	0-255	Green Segment 11
CH38	Blue 11	0-255	Blue Segment 11
CH39	Red 12	0-255	Red Segment 12
CH40	Green 12	0-255	Green Segment 12
CH41	Blue 12	0-255	Blue Segment 12
CH42	Red 13	0-255	Red Segment 13

CH43	Green 13	0-255	Green Segment 13
CH44	Blue 13	0-255	Blue Segment 13
CH45	Red 14	0-255	Red Segment 14
CH46	Green 14	0-255	Green Segment 14
CH47	Blue 14	0-255	Blue Segment 14
CH48	Red 15	0-255	Red Segment 15
CH49	Green 15	0-255	Green Segment 15
CH50	Blue 15	0-255	Blue Segment 15
CH51	Red 16	0-255	Red Segment 16
CH52	Green 16	0-255	Green Segment 16
CH53	Blue 16	0-255	Blue Segment 16
CH54	Red 17	0-255	Red Segment 17
CH55	Green 17	0-255	Green Segment 17
CH56	Blue 17	0-255	Blue Segment 17
CH57	Red 18	0-255	Red Segment 18
CH58	Green 18	0-255	Green Segment 18
CH59	Blue 18	0-255	Blue Segment 18
CH60	Red 19	0-255	Red Segment 19
CH61	Green 19	0-255	Green Segment 19
CH62	Blue 19	0-255	Blue Segment 19
CH63	Red 20	0-255	Red Segment 20
CH64	Green 20	0-255	Green Segment 20
CH65	Blue 20	0-255	Blue Segment 20
CH66	Red 21	0-255	Red Segment 21
CH67	Green 21	0-255	Green Segment 21
CH68	Blue 21	0-255	Blue Segment 21
CH69	Red 22	0-255	Red Segment 22
CH70	Green 22	0-255	Green Segment 22
CH71	Blue 22	0-255	Blue Segment 22
CH72	Red 23	0-255	Red Segment 23
CH73	Green 23	0-255	Green Segment 23

CH74	Blue 23	0-255	Blue Segment 23
CH75	Red 24	0-255	Red Segment 24
CH76	Green 24	0-255	Green Segment 24
CH77	Blue 24	0-255	Blue Segment 24
CH78	Red 25	0-255	Red Segment 25
CH79	Green 25	0-255	Green Segment 25
CH80	Blue 25	0-255	Blue Segment 25
CH81	Red 26	0-255	Red Segment 26
CH82	Green 26	0-255	Green Segment 26
CH83	Blue 26	0-255	Blue Segment 26
CH84	Red 27	0-255	Red Segment 27
CH85	Green 27	0-255	Green Segment 27
CH86	Blue 27	0-255	Blue Segment 27
CH87	Red 28	0-255	Red Segment 28
CH88	Green 28	0-255	Green Segment 28
CH89	Blue 28	0-255	Blue Segment 28
CH90	Red 29	0-255	Red Segment 29
CH91	Green 29	0-255	Green Segment 29
CH92	Blue 29	0-255	Blue Segment 29
CH93	Red 30	0-255	Red Segment 30
CH94	Green 30	0-255	Green Segment 30
CH95	Blue 30	0-255	Blue Segment 30
CH96	Red 31	0-255	Red Segment 31
CH97	Green 31	0-255	Green Segment 31
CH98	Blue 31	0-255	Blue Segment 31
CH99	Red 32	0-255	Red Segment 32
CH100	Green 32	0-255	Green Segment 32
CH101	Blue 32	0-255	Blue Segment 32
CH102	White 1	0-255	White Segment 1
CH103	White 2	0-255	White Segment 2
CH104	White 3	0-255	White Segment 3

CH105	White 4	0-255	White Segment 4
CH106	White 5	0-255	White Segment 5
CH107	White 6	0-255	White Segment 6
CH108	White 7	0-255	White Segment 7
CH109	White 8	0-255	White Segment 8
CH110	White 9	0-255	White Segment 9
CH111	White 10	0-255	White Segment 10
CH112	White 11	0-255	White Segment 11
CH113	White 12	0-255	White Segment 12
CH114	White 13	0-255	White Segment 13
CH115	White 14	0-255	White Segment 14
CH116	White 15	0-255	White Segment 15
CH117	White 16	0-255	White Segment 16

## 5. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

### a. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

### b. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on

connectors or on PCB of the unit or the previous one.

4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

## 6. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**
- **Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.**