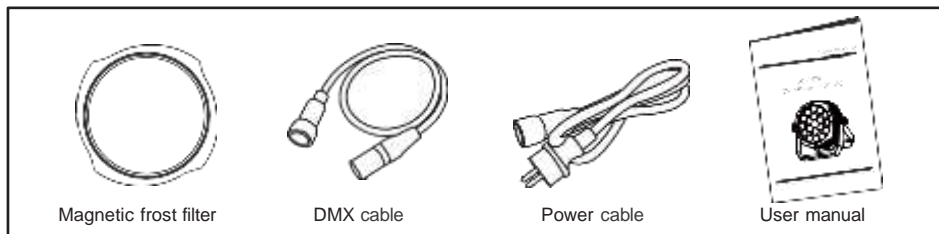# *User manual*

eco Stage

PARLED

1820W LED IP65

All the lights have been checked and are in excellent operating condition. Please check the shipping carton first because there may be damage that occurred during the shipment. Then check the lights carefully and be sure that the lights is intact and work normally. In the event damage has been found, spare parts are missing, or the lights works abnormally, please contact us for further instructions. And please don't return the lights to the dealer before contacting us.

Introduction: the fixture has three operating modes: DMX mode, Auto mode and Master/Slave mode. And the lights has five DMX modes, including channel 3, channel 4 , channel 6, and channel10 .There are ten built-in Auto programs and you can see ten kinds of shows when you open Auto mode. Meanwhile, you can edit your desired Auto program in "EDIT" manual addition, you can connect several pieces of lights in OMX mode and set one in Auto mode, and the others in Master/Slave mode. And then all the lights in Master/Slave mode will run following the one in Auto mode. Using fog or special effect smoke, you can see better showing effect.
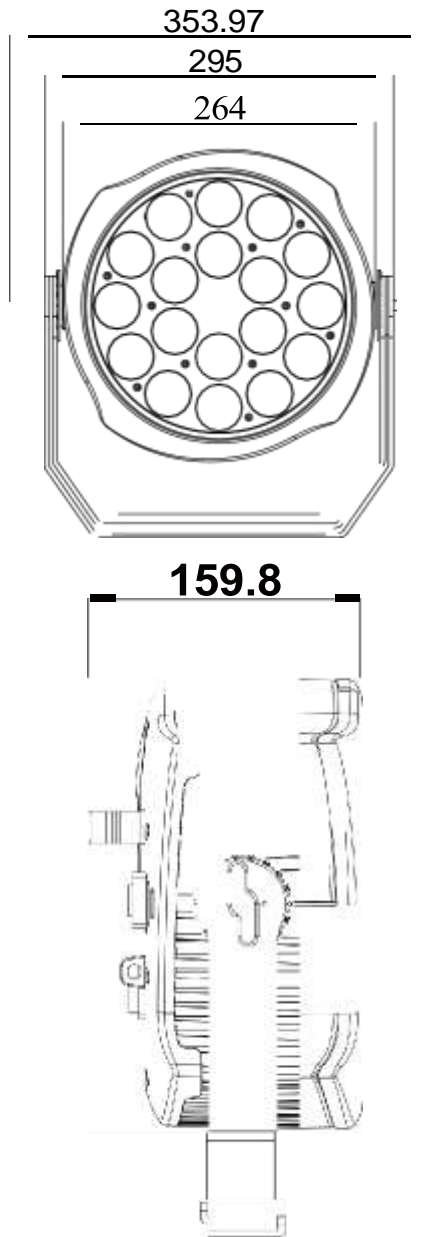
Warning!
1. Don't expose the lights to rain or moisture, for the sake of preventing the risk of electrical shock or fire.
2. Don't look directly at the opening lights all the time, or it may damage your eyes.

UNPACKING AND PREPARATION

| Magnetic frost filter | DMX cable | Power cable | User manual |

Product Overview

353.97

295

264

159.8

Features

- Light Source: 18*20W, 4 in 1 RGBW LEDs
- Lens: 8 °, 15°, 25°, 45°, 60X10°
- Power consumption: 350W
- Voltage: AC 90V-270V,50/60Hz
- Run Mode: OMX 512 /Master Slave/Auto Run
- 10 internal programs and 11 customized programs.
- 4 different dimming curves
- 11 kinds of color temperature white
- Maximum 66 ID setting for easy separate control
- DMX Channels: 3, **4,** 6, & 10 CH
- Built-in Effect: color mixing, variable color chasing, strobing, and fading.
- TFT displayer with four buttons
- Material: Aluminum body
- IP65
- Temperature: -30 C -45 C
- Dimension: 353.97X159X309mm
- N.W: 8.5KG
- G.W: 10KG

Programme Menu

```
DMXAddress ─┬─ ADDRESS 001
            └─ ADDRESS 512

Channels Mode ─┬─ CHANNEL 03
               ├─ CHANNEL 04
               ├─ CHANNEL 06
               └─ CHANNEL 10

DMXState ─┬─ DMX Hold
          └─ Blackout

Manual Mode ─┬─ Red
             ├─ Green
             ├─ Blue
             ├─ White
             ├─ Color
             ├─ Strobe
             └─ Dimmer

Auto Mode ─┬─ speed
           └─ auto

WHITE MACRO ─┬─ 2500K
             ├─ 3000K
             ├─ 3500K
             ├─ 4000K
             ├─ 4500K
             ├─ 5000K
             ├─ 6000K
             ├─ 7000K
             ├─ 8000K
             ├─ 9000K
             └─ 10000K
```

5

5

3
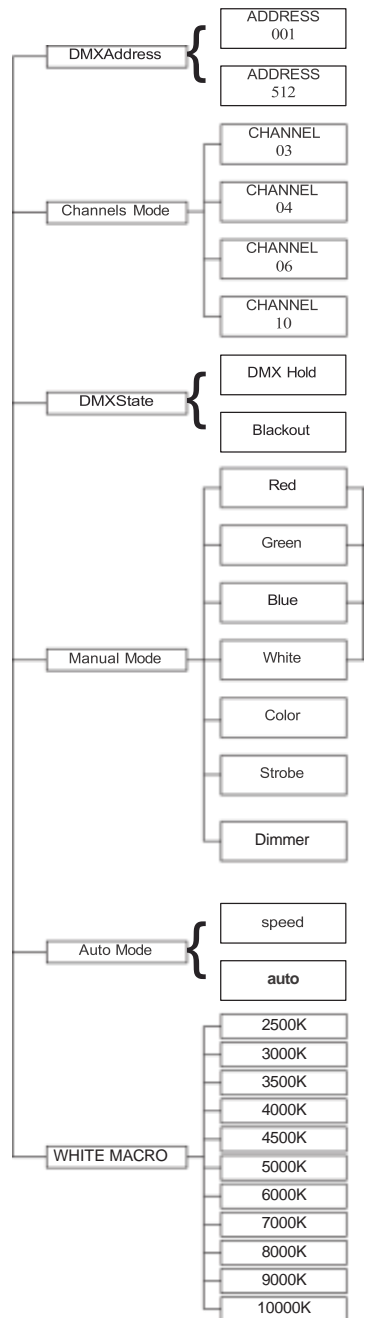
Mechanical Specification

knob

DMX in

DMX out

Power in

Power out

TFT displayer
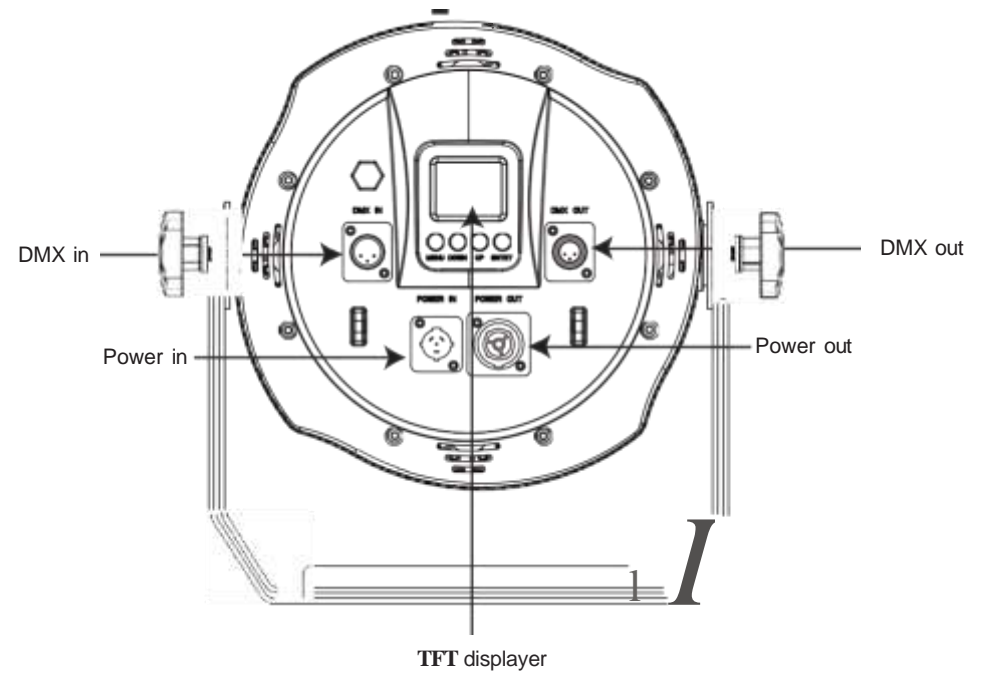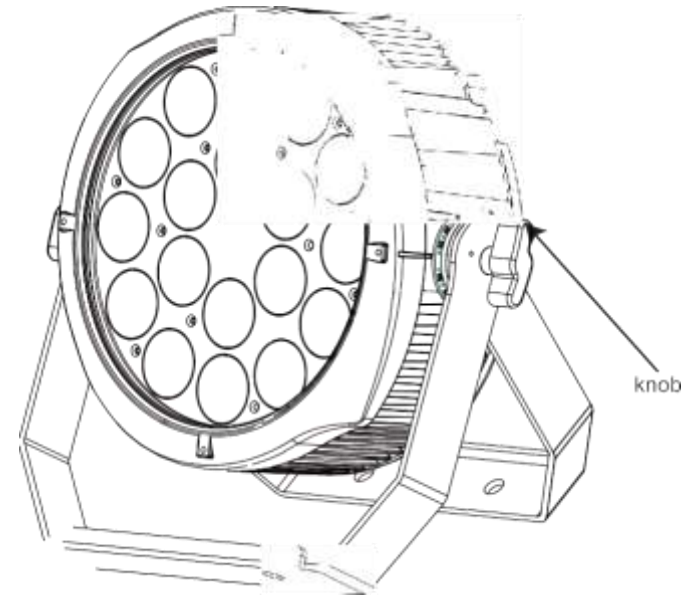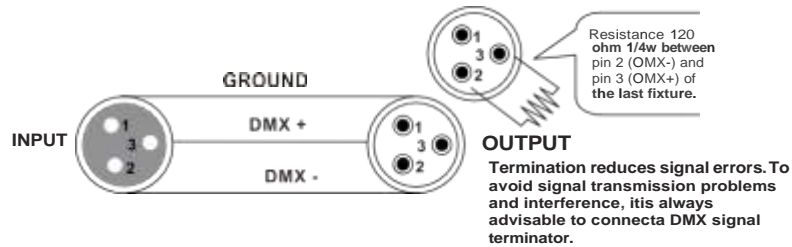
CABLE CONNECTORS

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

DMX connector configuration

Resistance 120 **ohm 1/4w between** pin 2 (OMX-) and pin 3 (OMX+) of **the last fixture.**

INPUT — GROUND — DMX + — DMX -

OUTPUT
Termination reduces signal errors. To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.
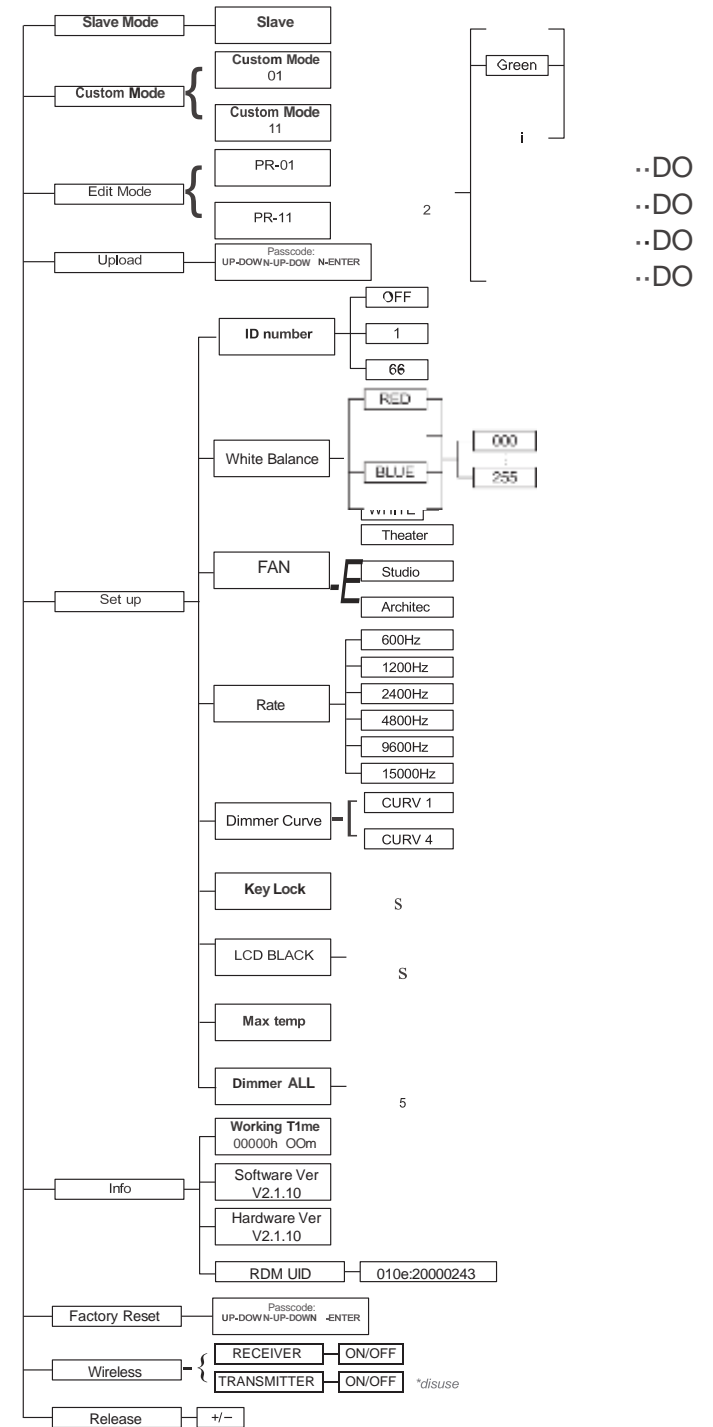
caution:Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.
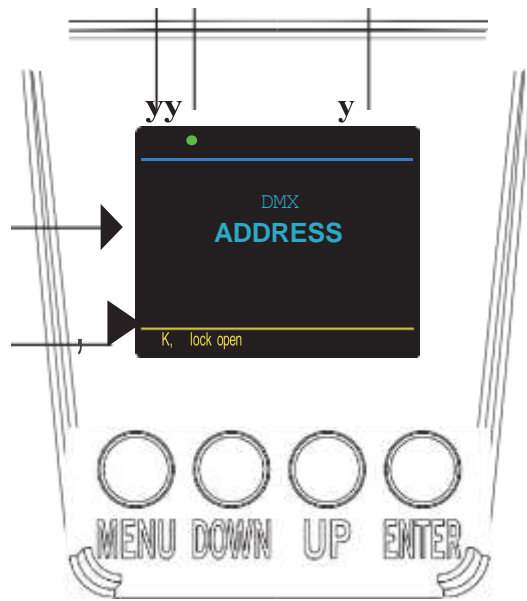
3-PIN TO 5-PIN CONVERSION CHART

Note! If you use a controller with a 5 pin OMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

Slave Mode — Slave

Custom Mode — Custom Mode 01 / Custom Mode 11

Edit Mode — PR-01 / PR-11

Upload — Passcode: UP-DOWN-UP-DOW N-ENTER

Green

··DO
··DO
··DO
··DO

Set up:
- ID number — OFF / 1 / 66
- White Balance — RED / BLUE / WHITE — 000 ... 255
- FAN — Theater / Studio / Architec
- Rate — 600Hz / 1200Hz / 2400Hz / 4800Hz / 9600Hz / 15000Hz
- Dimmer Curve — CURV 1 / CURV 4
- Key Lock — S
- LCD BLACK — S
- Max temp
- Dimmer ALL — 5

Info:
- Working T1me 00000h OOm
- Software Ver V2.1.10
- Hardware Ver V2.1.10
- RDM UID — 010e:20000243

Factory Reset — Passcode: UP-DOWN-UP-DOWN -ENTER

Wireless — RECEIVER — ON/OFF / TRANSMITTER — ON/OFF *disuse

Release — +/−

Displayer introduction

1. OMX means the light is in the DMX mode. Similarly. SLAVE means the light is in

the SLAVE mode.

2. The color of the point shows the condition of signal transmission. Green represents

the good condition, while red represents the signal is interrupted.

3. The item shows the working temperature of the light. When the working temperature

exceeds the max temperature. The color of the letters and number will change from

white to yellow.

4. This item shows the menu you selected.

5. This item shows the condition of key lock. "Key lock open" means the key lock is

open. And "Key lock off' means the key lock is close.

Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

The installation should be checked by a skilled person once a year.
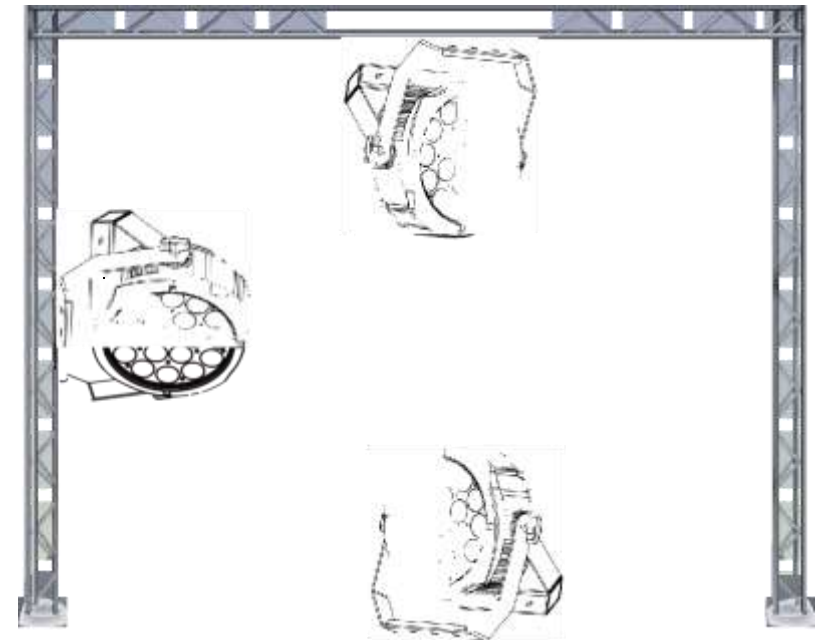
The leno Pocket Spot is fully operational in two different mounting positions, hanging upside-down from a ceiling or set on a flat level surface. To avoid internal damage to the unit, never mount the unit on its side as illustrated *above.* Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). And you'd better use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the *event* the clamp fails (see next page).

UPLOAD

First,set one light, which involves the program you have edited in EDIT menu

and want to upload, in Master mode.and others in Slave mode.

Then,connect all the lights with OMX cables.Finally,select the UPLOAD

menu of the Master light and press ENTER.All the programs edited in the

Master light will be uploaded to the Slave lights.

OMX Address-In this menu, you can select the OMX Address.
1. Press "ENTER" button and then UP or DOWN button until "OMX Address" is showed.
2. Press "ENTER" button, and "OMX Address" will be showed. Then press ENTER.
1) "xxx" will be showed, "xxx" represents the showed address. You can press the UP or DOWN button to select your desired address.

Channels Mode-In this menu, you can connect several pieces of lights with OMX cable and control them with control console.
1. Press "ENTER" button and then UP or DOWN button until "Channels Mode " is showed.
2. Press "ENTER" button, and "Channels Mode" will be showed. Then press ENTER.
1) "Channel [xx]" will be showed, "X" represents the showed OMX channel mode. You can press the UP or DOWN button to select your desired Channel mode.

OMX State-In this menu, you can learn about the information of OMX Hold and Blackout.
1. Press "ENTER" button and then UP or DOWN button until "OMX State" is showed.
2. Press "ENTER" button, and "OMX Hold" or "Blackout" will be showed. Then press ENTER, and you can select your desired mode.

Manual Mode-In this menu, you can adjust the value of static color and strobe speed as you like.
1. Press "ENTER" button and then UP or DOWN button until "Manual Mode" is showed.
2. Press "ENTER" button, and there are six options. Then press ENTER to select the option and press UP or DOWN button to select the value you desire as below:
1) RED - You can adjust the red brightness in this menu.
2) GREEN - You can adjust the green brightness in this menu.
3) BLUE - You can adjust the blue brightness in this menu.
4) WHITE - You can adjust the white brightness in this menu.
5) COLOR -You can select 255 static color in this menu.
6) STROB - You can adjust the strobe speed in this menu.

AUTO mode-In this menu, you can select your desire AUTO mode and adjust the running speed.
1. Press "ENTER" button and then UP or DOWN button until "AUTO mode" is showed.
2. Press "ENTER" button, and "SPEED" or "AUTO MODE" will be showed. Then press ENTER, and you can see two items as below:
1) SPEED - You can select your desired speed in this menu.
2)AUTO MODE -You can select your desired auto mode in this menu.

Slave Mode-In this menu, you can select SLAVE mode. In SLAVE mode, you can select one light as the MASTER light and other lights in SLAVE mode will run following the MASTER light.
1. Press "ENTER" button and then UP or DOWN button until "Slave MODE" is showed.
2. Press "ENTER" button, and "SLAVE" will be showed, then press ENTER to confirm.

CUSTOMER Mode-In this menu, you can select the AUTO program edited in the "EDIT" menu.
1. Press "ENTER" button and then UP or DOWN button until "CUSTOMER" is showed.
2. Press "ENTER" button, and there are 11 pre-programmed mode edited in the "EDIT" menu.

EDIT Mode-In this menu, you can edit your desired AUTO program.
1. Press "ENTER" button and then UP or DOWN button until "EDIT" is showed.

2. Press "ENTER" button, and open the "EDIT" mode to edit the custom programs from"PR.01" to "PR.11".And there are 32 scenes that can be edited in each custom program.

3. You can edit a scene by adjusting the value of "RED (0-255)", "GREEN (0-255)", "BLUE (0-255)", "WHITE (0-255)", "FADE (0-30)", "FLASH (0-30)", "STROBE (0-30)" & "TIME (0-30)" as you like. Then the data will be saved, when you press the ENTER button for 5 seconds.

UPLOAD-In this menu, you can connect several pieces of lights with MAX cables and set one light as the MASTER and others in SLAVE mode. Then upload the custom program in the MASTER light to the lights in SLAVE mode.

1. Press "ENTER" button and then UP or DOWN button until "UPLOAD" is showed.

2. Press "ENTER" button to upload the custom programs from the MASTER light to the SLAVE ones. The password is [UP] + [DOWN] + [UP] + [DOWN].

SET UP-In this menu, you can adjust the value of the function.

1. Press "ENTER" button and then UP or DOWN button until "SET UP" is showed.

2. Press "ENTER" button, and there will be nine options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as below.

1) ID number - You can select an ID Number in this menu. Then, you can adjust the value of channel 11 to the corresponding scope and control the light individually with control console.

2) CAL WHITE- You can select the value of 11 different white color. And there are 11 pre-programmed White colors that can be edited by adjusting the value of "Red", "Green", "Blue", "White".

3) LCD BLACK - In this item, you can select "ON" or "30S". If you select "ON", the displayer will be on all the time. And if you select "30S", the displayer will extinguish about ten seconds later.

4) Key locks - You can select whether the password is ON or 30S in this menu, and the password is [UP]+ [DOWN]+ [UP]+ [DOWN] .If you select "ON", then you have to input the password before pressing the buttons. Otherwise, the light won't respond to your order.

5) Max temp - You can set the your desired Max working temperature about the light in this menu. When the working temperature of the light exceeds the Max temperature, the color of letter "Temp xx°C" showed in the menu will change from white to yellow. Meanwhile, the light will adjust the working temperature automatically.

6) Dimmer ALL - You can adjust the brightness of each color in this menu.

7) Factory Reset - You can reset the light.

INFORMATION-In this menu, you can learn about the information of software, hardware and the working time of the light.
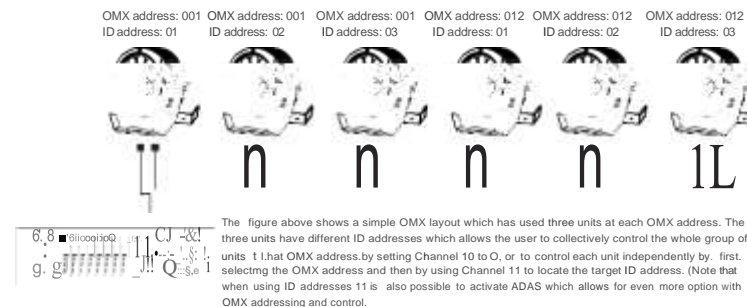
1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.

2. Press "ENTER" button, and "Software" "Hardware" or "Fix times" will be showed. Then press ENTER, and you can see three items as below:

1) Software - This item displays the Software information.

2) Hardware - This item displays the Hardware information.

3) Fix times - This item displays the working hours about the light.

RESET-In this menu, you can reset all the value of the system.

1. Press "ENTER" button and then UP or DOWN button until "RESET" is showed.

2. Press the ENTER button to reset all the value of the system.

DMX-512 addressing with ID address

1. Follow instructions 1 for DMX 512 addressing.

2. Activate ID addressing in each fixture by setting panel function "ID ON/OFF" to ON. "Settings" to "ID ON/OFF" to "ON" For every DMX 512 starting address the user can set 66 separate ID addresses. Set ID addresses in each fixture by setting panel function " ID address" to incremental values.(1.e. 1, 12, 24, 36 etc...) "Settings" to "address" to "01-66".

OMX address: 001 OMX address: 001 OMX address: 001 OMX address: 012 OMX address: 012 OMX address: 012
ID address: 01   ID address: 02   ID address: 03   ID address: 01   ID address: 02   ID address: 03

The figure above shows a simple OMX layout which has used three units at each OMX address. The three units have different ID addresses which allows the user to collectively control the whole group of units t l.hat OMX address.by setting Channel 10 to O, or to control each unit independently by. first. selectmg the OMX address and then by using Channel 11 to locate the target ID address. (Note that when using ID addresses 11 is also possible to activate ADAS which allows for even more option with OMX addressing and control.

Channel 10 (Id address set)

0--9	all Ids		170--179	Id17		223	Id34		240	Id51
10--19	Id1		180--189	Id18		224	Id35		241	Id52
20--29	Id2		190--199	Id19		225	Id36		242	Id53
30--39	Id3		200--209	Id20		226	Id37		243	Id54
40--49	Id4		210	Id21		227	Id38		244	Id55
50--59	Id5		211	Id22		228	Id39		245	Id56
60--69	Id6		212	Id23		229	Id40		246	Id57
70--79	Id?		213	Id24		230	Id41		247	Id58
80--89	Id8		214	Id25		231	Id42		248	Id59
90--99	Id9		215	Id26		232	Id43		249	Id60
100--109	Id10		216	Id27		233	Id44		250	Id61
110--119	Id11		217	Id28		234	Id45		251	Id62
120--129	Id12		218	Id29		235	Id46		252	Id63
130--139	Id13		219	Id30		236	Id47		253	Id64
140--149	Id14		220	Id31		237	Id48		254	Id65
150--159	Id15		221	Id32		238	Id49		255	Id66
160--169	Id16		222	Id33		239	Id50			

DMX control mode

DMX 3 channel

channel	value	function
	0 - 255	Hue
2	0 - 255	Saturation
3	0 - 255	Dimmer

OMX 4 channel

channel	value	function
1	0 - 255	Red
2	0 - 255	Green
3	0 - 255	Blue
4	0 - 255	White

DMX 6 channel

channel	value	function
	0 - 255	Dimmer
2	0 - 255	Strobe from slow to fast
3	0 - 255	Red
4	0 - 255	Green
5	0 - 255	Blue
6	0 - 255	White

DMX 10 channel

channel	value	function
1	0 - 255	Dimmer
2	0 - 255	Strobe from slow to fast
3	0 - 255	Red
4	0 - 255	Green
5	0 - 255	Blue
6	0-255	White
7	0 - 10	No function
	11 - 30	R 100% - G ↑ - B 0% - W 0%
	31 - 50	R ↓ - G 100% - B 0% - W 0%
	51 - 70	R 0% - G 100% - B ↑ - W 0%
	71 - 90	R 0% - G ↓ - B 100% - W 0%
	91 - 110	R ↑ - G 0% - B 100% - W 0%
	111 - 130	R 100% - G 0% - B ↓ - W 0%
	131 - 150	R 100% - G ↑ - B ↑ - W 0%
	151 - 170	R ↓ - G ↓ - B 100% - W 0%
	171 - 200	Full ON
	201 - 205	White 1
	206 - 210	White 2
	211 - 215	White 3
	216 - 220	White 4
	221 - 225	White 5
	226 - 230	White 6
	231 - 235	White 7
	236 - 240	White 8
	241 - 245	White 9
	246 - 250	White 10
	251 - 255	White 11

	0 - 7	Default
	8 - 17	Auto 1
	18 - 37	Auto 2
	38 - 57	Auto 3
	58 - 77	Auto 4
	78 - 87	Auto 5
	88 - 97	Auto 6
	98 - 107	Auto 7
8	108 - 117	Custom1
	118 - 127	Custom2
	128 - 137	Custom3
	138 - 147	Custom4
	148 - 157	Custom5
	158 - 167	Custom6
	168 - 177	Custom7
	178 - 187	Custom8
	188 - 197	Custom9
	198 - 207	Custom10
	208 - 255	Custom11
9	0 - 255	Speed CH8 if CH8 = 008 … 107
10	ID	Indirizzi ID (see following table)