Eddylight™

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LED 3.3ft LIGHT BAR

DSY-LED252-IP65-RGB

USER MANUAL

Table of Contents

➢ Summarize

Thank you for purchasing our LED wall wash lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misusage.

➢ Products introduce

This led par color-changing projecting light is covered by tensile aluminum, designed in a fashion of hydrodynamic form. It takes uses high power R,G,B 3 kinds LED. It uses power switch, performs low weight and consumption, stable capability and long life. The built-in program includes dimmer, strobe, eotic, gradual change, fading and so on. International standard DMX 512 signal is requested.

➢ Packing list

- LED252 light   1PC
- bracket   2 pcs
- T-shaped screw 2 pcs
- DMX cable 1 pc (sold alone)
- The use manual
- Warranty Card

2.Safety Information

➢   Safety Notes

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

**!** Avoid direct eye exposure to the fixture when it is on;

避免电击!

➢ **Safety instuction**

● Make sure the power supply voltage are consistent with this lights， Ensure the use of voltage is in the range of the request technical parameter.

●before the installation , please check the light's fasteners and mechanical structure have been received in good condition and appear no damage.

●This light is designed for indoor or out-door use, working temperature is lower than 40 degree.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items(ornaments) in 0.5 meters away.

●Yellow / green cabling earthling safety; no flicker when the fixture is working on.

3.Outside Size Picture
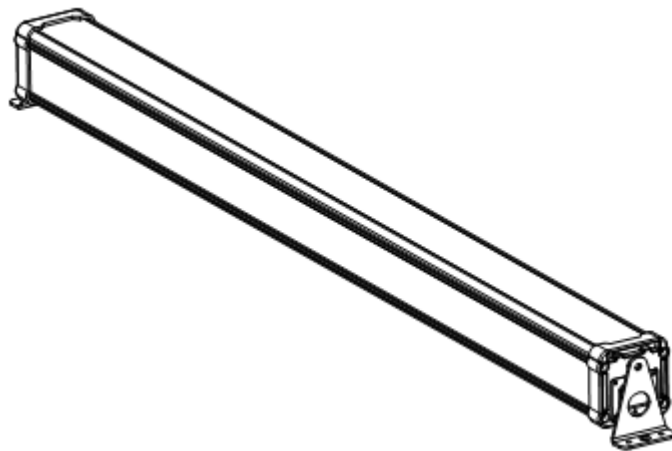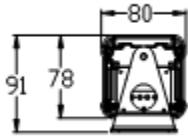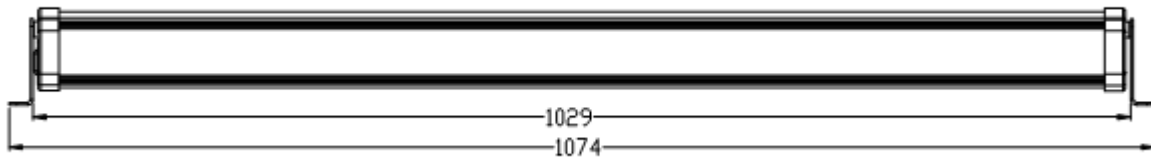
4.Main Function

- high quality LED:low consumption,brighness, stable capability and long life
- each color of LED with 256 dimming. RGB can make over 16.7 million colors.
- dim 0%-100%, Strobe、gradual change、jumping change
- DMX512 Controller，3 button set DMX ID address with led display,each pixel with 84 LEDS and total in 3 pixel.
- auto run /sound activated/master slave/interconnected multi-machine control
- using switching power supply to protect the LED to work well
- DMX512 channels:13channels

5.DMX Control Function

Channel	DMX Value	Control Function
	0—10	Dimming
	11—51	Dimming+strobe
	52—91	Gradual change
	92—131	Mode 1
	132—150	Mode 2
CH1	151—169	Mode 3

		170—189	Mode 4
		190—209	Mode 5
		210—229	Mode 6
		230—249	Mode 7
		250—255	Comprehensive mode1-7
CH2		0-9	Red dimming (one pixel to another)
		10-255	Red general dimming 0-100%

CH3		0-9	Green dimming (one pixel to another)
		10-255	Green general dimming 0-100%
CH4		0-9	Blue dimming (one pixel to another)
		10-255	Blue general dimming 0-100%
CH5		0-255	The first red pixel dimming 0-100%
CH6		0-255	The first green pixel dimming 0-100%
CH7		0-255	The first blue pixel dimming 0-100%
CH8		0-255	The second red pixel dimming 0-100%
CH9		0-255	The second green pixel dimming 0-100%
CH10		0-255	The second blue pixel dimming 0-100%
CH11		0-255	The third red pixel dimming 0-100%
CH12		0-255	Thethird green pixel dimming 0-100%
CH13		0-255	Thethird blue pixel dimming 0-100%

6.Display Operation

AC INPUT 2A MIN MAX MIC   DMX512   MENU UP DOWN   AC OUTPUT
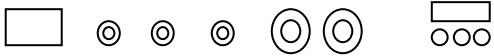
- ➤ MENU : access the menu or return to a previous menu option
- ➤ ENTER:select the current menu option
- ➤ UP:menu selection or parameter increments
- ➤ DOWN:menu selection or parameters decrease

7.Manual Instruction

Operating instruction:

MENU → ENTER → UP/DOWN → ENTER

1. MENU is used to access the menu or return to a previous menu option. It can not be used to select and store the current menu option. Press UP / DOWN to choose a desired menu item. Here are the operation details :

- ➤ "addr": DMX mode （A001-A512）
- ➤ "SouF": Voice-activated strobe mode(SOU1, unsuitable for out-door use)
- ➤ "SouA": Voice-activated no strobe mode(SOU2,unsuitable for out-door use)
- ➤ "CS"; built-in program speed change model (CS00-CS15, CS00 is the fastest)
- ➤ "CE"; Built-in program （CE00-CE15 16 program in all）
- ➤ "ASC"; seven colors jumping （AS00-AS15 speed adjustable）
- ➤ "FAdE": gradual change model （FA00-FA15 speed adjustable）
- ➤ "FLAS": white color strobe （FL00-FL15 speed adjustable）
- ➤ "rL": red dimmer （r000-r255,, r255 is the brightest）
- ➤ "gL": green dimmer （g000- g255, g255 is the brightest）

➢ ”bL”: blue dimmer（b000- b255, b255 the brightest）

2. Press ENTER to access the further menu setting. This process can be saved automatically; that means you will enter the process saved previously when you activate the light next time. For example, if you want to choose DMX mode A001, operate as follows:

➢ Press MENU, go back to the initial setting

➢ Press UP / DOWN until Addr

➢ Press ENTER to choose, the display will glinting at this moment

➢ Press UP / DOWN to change the address code to select A001

➢ Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop glinting.

3. Details of program built inside (Pr- -)

➢ Press MENU, go back to the initial setting

➢ Press UP / DOWN until Pr--

➢ Press ENTER to choose, the display will glinting at this moment

➢ Press UP / DOWN to change the address code to select pr00

➢ Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop glinting.

Pr00:red;   Pr01:green   Pr02:blue   Pr03:amber   Pr04:cyan

Pr05:purple   Pr06:white;   Pr07:red+strobe;   Pr08:green+strobe

Pr09:blue+strobe;   Pr10:amber+strobe;   Pr11:cyan+strobe

Pr12:purple+strobe;   Pr13:white+strobe;

Pr14:RGB jumping change;   Pr15: 7 colors jumping change;

Note：Pr7--- Pr15 Can change the content Of SP, correct the speed of jumping change , SP00 is the fastest,SP15is the slowest.

8.Operating Control Instruction

➢ **Master/Slave**

Master：The master should always working as a master as long as it is not set in a DMX mode whatever other modes it is. And it send out the signal so that the slave synchronous with it. To avoid the host signal and DMX512 signals interfere with each other, should cut off the DMX512 signals. The signal lines are longer than 60 meters(20 lamps) ,should increase a signal amplifier.
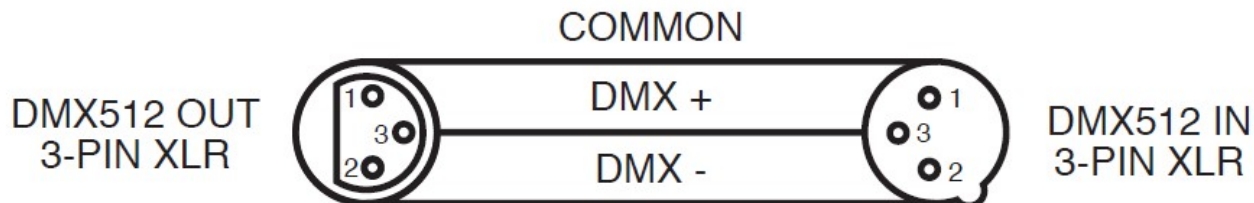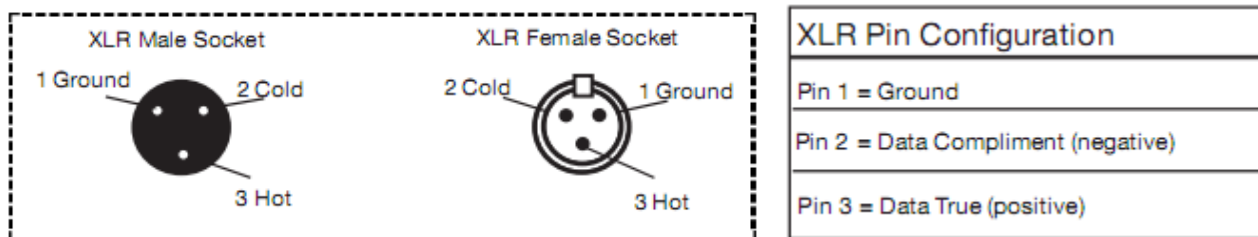
Slave：he Slave must be set in DMX mode and the address code should be A001, to assure receive the master's signals correctly. Only one light can be set as a Master and others are slaves.

Note: This product uses input and output power cord 0.75 m㎡copper core wire, power line in series, when 220V AC should less than 35 lights, and 110V AC less than 20 lights！！！

9.XLR cable connecting

➢ **XRL cable：**

The stand connection way of the XRL is: one end connect to the male plug ,and the other connect to the female.

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

Noted：In order to avoid failures and interference signal transmission，we connect a

resistance120Ω（1/4W）at the end of the DMX connecting as below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.
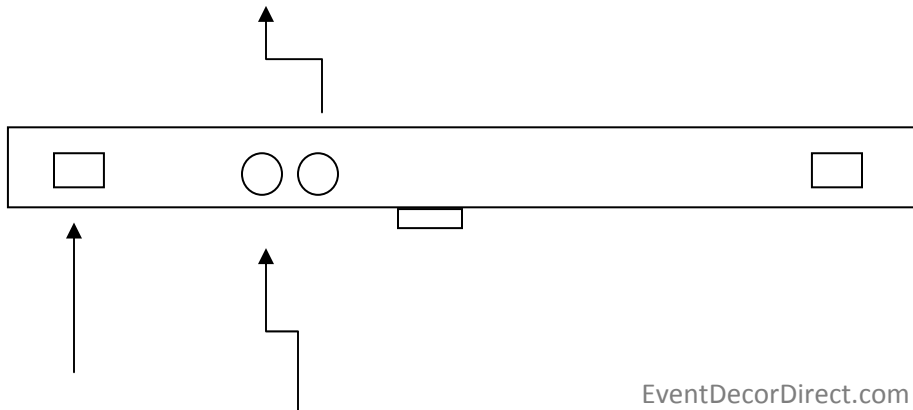
➢ The Conversion between 3pin and 5 pin XLR

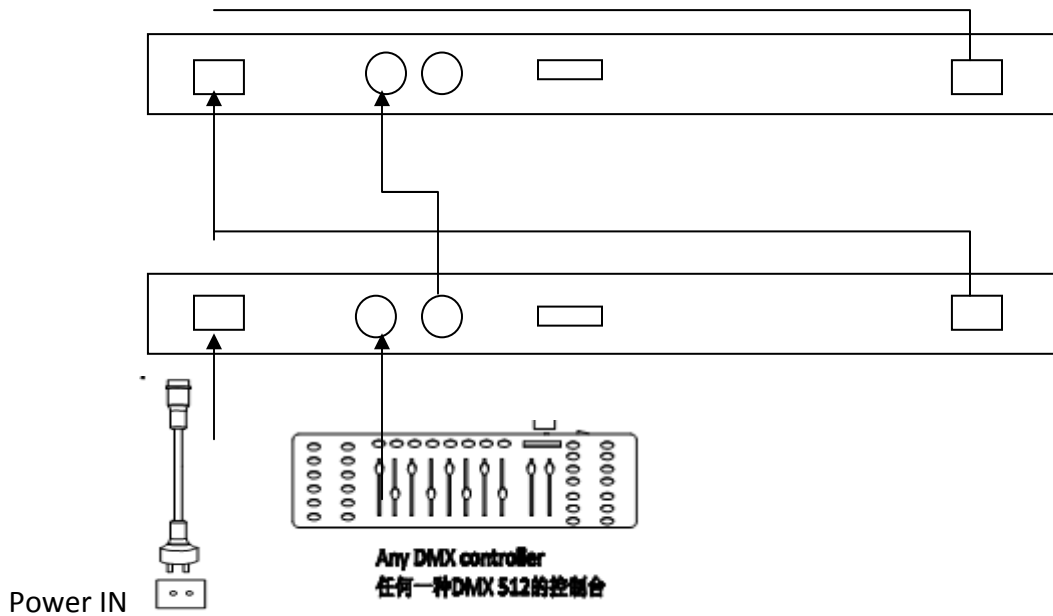If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

10.Connecting picture

➢ Light connecting picture：

Power IN

Any DMX controller
任何一种DMX 512的控制台

11.Problem Analysis

| Problem	Checking way
Can not turn on the light	◆ Check the power source plug is in normal or not ◆ Check the switch of the lights is off or on ◆ Check the fuse if in normal
DMX can not control it	◆ Check the DMX cable is connect to the lights or not ◆ Check the DMX512 controller work in normal or not ◆ Check the DMX cable is normal or not ◆ Check if the lights is in DMX mode（A001）
	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal; If not，please check if the

Display not bright	switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
LED not light	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal; If not，please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
Some of the LED not light	◆ LED is connect by leds in series first, then connect parallel, so please check if the leds is loose ◆ Use the multimeter to check if the led is bright or not, of not, please change the led ◆ check whether current limiting resistor is normal or not ◆ Check constant current IC is normal or not (compared with the normal IC)
Single color leds always bright/not bright	◆ Check the switch of this color is normal or not ◆ Change the IC control board

Noted：only professional persons can do as above！

12.Technical Specification

● Input voltage：AC 100V-264V/50-60HZ
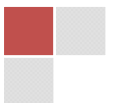
● Consume：22W

● Lamp Type： LED(Φ10)

● Lamp Spec：red（108PCS）、green（72PCS），blue（72PCS）

● Life span:50000-100000 hours

● Control mode：stand alone/ master and slaver
● Channel： 13CH

● Beam Angle: 25°
● Anti-electricity intension：1.5KV

● Insulation Resistance：＞2MΩ
● Size:：1000*60*60mm

● Net Weight：2KG