Squareled

SquareLED
Edison´s Sunstrip
10x50W White|Amber 3000K

USER MANUAL

INTRODUCTION

Thank you for having chosen our LED lighting
Unpack the device, inside the box you should find:
The fixture device
One power cable
One XLR connection cable
This manual
Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

DESCRIPTION

Features
- 500W LED Bar, 10pcs 50W white+amber 3000k LED;
- Light output: 12,000 lm;
- LED scan rate: 12,000 Hz;
- 2/4/5/7/10/14/20/25 DMX channels;
- AC100-240V 50/60Hz 500W IP20;
- Material: Aluminum;
- 3-pin & 5-pin DMX Input/Output;
- In/Out connectors;
- Dimension [mm]: [L x H x W] [1000 x 170 x 100], weight: 6,0 Kg

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges.
If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors.
Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:
- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 OHM resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Display Menu

Menu	Sub-menu	
Config Mode	Channel Mode	XXCH
	Keep Screen On	Enable/Disable
	Keep DMX Data	Enable/Disable
	Fan speed	low/standard/high
	Fast Dimmer	Enable/Disable
System Info	Temperature	Head XX ℃
		Body XX ℃
RDM	RDM_Status	Enable/Disable
	RDM_UID	XXX
	RDM_ID	XXX
	RDM_Label	XXX
Led All On	Led All On	
Auto Test	Auto Mode 1	
	Auto Mode 2	
	Auto Mode 3	
	Auto Mode 4	
Fan Test	On/Off	
Led Load Defaul	False/True	

Main functions

1. Address: Current DMX address

A. Setting DMX address by button
press **ENTER** button when show the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button
Press **[ENTER]** to confirm or press **[ESC]** to return to main menu**.**

B. Setting DMX address by controller
1.Set the DMX value of channel 5 to 10-15,channel 17 to 20-26, channel 7 to 30-36,channel 8 to 40-46,then the devices connected to the controller will enter to the setting address mode
2. Set the DMX value of **channel 1** from 0-59,then you will see the first number of the Address change to (channel 1 value)/10.
For example, when set the value of channel 1 to 20,the first DMX address number will be 2(20/10=2),
3. Set the DMX value of **channel 2** from 0-99,then you will see the second number of the Address change to (channel 2 value)/10.
For example, when set the value of channel 2 to 30,the first DMX address number will be 2(30/10=3),
4.Set the DMX value of **channel 3** from 0-99,then you will see the third number of the Address change to (channel 3 value)/10.
For example, when set the value of channel 1 to 40,the first DMX address number will be 3(40/10=4),
And the DMX address you set by controller will be 234.
5. Set the DMX value of **channel 4** to 255,then you will save the DMX address settled by the controller.
Caution: It won't save the address if the address number is over 512
6. set the value of channel 5-8 out of the value range show on the step 1,and the device will exit the setting address mode

2. Config

Setting DMX mode
press **ENTER** button when show the **channel** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button.

Keep Screen On
press **ENTER** button when show the **Keep Screen On** menu, then select Enable or Disable to keep the screen on by pressing **[UP]** or **[DOWN]** button.

Keep DMX Data
press **ENTER** button when show the **Keep DMX Data** menu, then select Enable or Disable to keep DMX Data by pressing **[UP]** or **[DOWN]** button.

Fan speed
press **ENTER** button when show the **Fan speed** menu, select the speed of Fan in low, standard or high by pressing **[UP]** or **[DOWN]** button.

Fast Dimmer
press **ENTER** button when show the **Fast Dimmer** menu, then setting the dimmer speed effort by selecting Enable or Disable by pressing **[UP]** or **[DOWN]** button.

3. System info
Temperature
press **ENTER** button when show the **Temperature** menu, then it will show the temperatures of the fixture.

4.RDM
press **ENTER** button when show the **RDM** menu, press **Enter** button to select **RDM_Status** as Enable or Disable, and select the value of **RDM_UID**, **RDM_ID** and **RDM_Label** by pressing **[UP]** or **[DOWN]** button.

5. Led All On
press **ENTER** button when show the **Led All On** menu, to keep all LED on by pressing **[UP]** or **[DOWN]** button.

6. Auto test
press **ENTER** button when show the **auto test** menu, select test mode by pressing **[UP]** or **[DOWN]** button.

7. Fan Test
press **ENTER** button when show the **Fan   Test** menu, select test mode as on or off by pressing **[UP]** or **[DOWN]** button.

8. Led Load Default
press **ENTER** button when show the **Led Load Defaul** menu, select Default mode as False or True by pressing **[UP]** or **[DOWN]** button.

DMX functions and values

Mode	Channel	Function	value	Remark
4CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Duration	000 - 255	0 - 100%
	3	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	4	Flow Effect	000 - 255	Effect 1- 5
7CH	1	Master Dimmer	000 - 255	0 - 100%
	2	ALL White	000 - 255	0 - 100%
	3	All Amber	000 - 255	0 - 100%
	4	Duration	000 - 255	0 - 100%
	5	Strobe	000 - 010	No function

			011 - 255	From slow to fast
	6	Flow Effect	000 - 255	Effect 1- 5
	7	Speed	0	Tungsten Speed Mode
			001 - 254	Fast to slow
			255	Tungsten Effect
14CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Pixel-1	000 - 255	0 - 100%
	3	Pixel-2	000 - 255	0 - 100%
	4	Pixel-3	000 - 255	0 - 100%
	5	Pixel-4	000 - 255	0 - 100%
	6	Pixel-5	000 - 255	0 - 100%
	7	Pixel-6	000 - 255	0 - 100%
	8	Pixel-7	000 - 255	0 - 100%
	9	Pixel-8	000 - 255	0 - 100%
	10	Pixel-9	000 - 255	0 - 100%
	11	Pixel-10	000 - 255	0 - 100%
	12	Duration	000 - 255	0 - 100%
	13	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	14	Flow Effect	000 - 255	Effect 1- 5
25CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Pixel-1 White	000 - 255	0 - 100%
	3	Pixel-1 Amber	000 - 255	0 - 100%

4	Pixel-2 White	000 - 255	0 - 100%
5	Pixel-2 Amber	000 - 255	0 - 100%
6	Pixel-3 White	000 - 255	0 - 100%
7	Pixel-3 Amber	000 - 255	0 - 100%
8	Pixel-4 White	000 - 255	0 - 100%
9	Pixel-4 Amber	000 - 255	0 - 100%
10	Pixel-5 White	000 - 255	0 - 100%
11	Pixel-5 Amber	000 - 255	0 - 100%
12	Pixel-6 White	000 - 255	0 - 100%
13	Pixel-6 Amber	000 - 255	0 - 100%
14	Pixel-7 White	000 - 255	0 - 100%
15	Pixel-7 Amber	000 - 255	0 - 100%
16	Pixel-8 White	000 - 255	0 - 100%
17	Pixel-8 Amber	000 - 255	0 - 100%
18	Pixel-9 White	000 - 255	0 - 100%
19	Pixel-9 Amber	000 - 255	0 - 100%
20	Pixel-10 White	000 - 255	0 - 100%
21	Pixel-10 Amber	000 - 255	0 - 100%
22	Duration	000 - 255	0 - 100%
23	Strobe	000 - 010	No function

			011 - 255	From slow to fast	
	24	Flow Effect	000 - 255	Effect 1- 5	
	25	Speed	0	Tungsten Speed Mode	
			001 - 254	Fast to slow	
			255	Tungsten Effect	
2Ch	1	Pixel 1-5	000 - 255	0 - 100%	
	2	Pixel 6-7	000 - 255	0 - 100%	
5Ch	1	Pixel 1-2	000 - 255	0 - 100%	
	2	Pixel 3-4	000 - 255	0 - 100%	
	3	Pixel 5-6	000 - 255	0 - 100%	
	4	Pixel 7-8	000 - 255	0 - 100%	
	5	Pixel 9-10	000 - 255	0 - 100%	
10Ch	1	Pixel-1	000 - 255	0 - 100%	
	2	Pixel-2	000 - 255	0 - 100%	
	3	Pixel-3	000 - 255	0 - 100%	
	4	Pixel-4	000 - 255	0 - 100%	
	5	Pixel-5	000 - 255	0 - 100%	
	6	Pixel-6	000 - 255	0 - 100%	
	7	Pixel-7	000 - 255	0 - 100%	
	8	Pixel-8	000 - 255	0 - 100%	
	9	Pixel-9	000 - 255	0 - 100%	
	10	Pixel-10	000 - 255	0 - 100%	
20CH	1	Pixel-1 White	000 - 255	0 - 100%	
	2	Pixel-1 Amber	000 - 255	0 - 100%	
	3	Pixel-2 White	000 - 255	0 - 100%	
	4	Pixel-2 Amber	000 - 255	0 - 100%	

5	Pixel-3 White	000 - 255	0 - 100%
6	Pixel-3 Amber	000 - 255	0 - 100%
7	Pixel-4 White	000 - 255	0 - 100%
8	Pixel-4 Amber	000 - 255	0 - 100%
9	Pixel-5 White	000 - 255	0 - 100%
10	Pixel-5 Amber	000 - 255	0 - 100%
11	Pixel-6 White	000 - 255	0 - 100%
12	Pixel-6 Amber	000 - 255	0 - 100%
13	Pixel-7 White	000 - 255	0 - 100%
14	Pixel-7 Amber	000 - 255	0 - 100%
15	Pixel-8 White	000 - 255	0 - 100%
16	Pixel-8 Amber	000 - 255	0 - 100%
17	Pixel-9 White	000 - 255	0 - 100%
18	Pixel-9 Amber	000 - 255	0 - 100%
19	Pixel-10 White	000 - 255	0 - 100%
20	Pixel-10 Amber	000 - 255	0 - 100%

CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION!
Disconnect from mains before starting maintenance operation.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers. If you need any spare parts, please use genuine parts.
If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.
If you have further questions, please contact your dealer.

INSTALLATION
The device must only be installed at a vibration-free, oscillation-free and fire-resistant location.