



FOS SunStrip LED



USER MANUAL

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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 do not install this device.

DESCRIPTION

Features

- Easy multi fixture hanging system, outdoor version available
- 50w *10pcs LEDs, no ultraviolet radiation
- More than 50,000 hours for the LED light source
- 120 degrees
- 4/2/14/25/2/5/10/20 DMX channels
- 16 Bit Dimmer
- DMX Mode /Master-slave mode
- AC 100-240V 50/60Hz 500W
- Diecasting heatsinks, convection cooling, no fans, no noise
- With temperature sensor to extend the lamp life
- 500 Hz LED scan rate
- L: 840mm H:173mm W:74mm, Weight 4.5Kg
- IP20

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. To maintain this condition and to ensure a safe operation, it is 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. Hold 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 must 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.

Operation

Display Menu

Menu	Sub-menu	
Config Mode	Channel Mode	4CH
		7CH
		14CH
		25CH
		2CH
		5CH
		10CH
		20CH
	Keep Screen On	Enable/Disable
	Keep DMX Data	Enable/Disable

	Fan speed	low/standard/high
	Fast Dimmer	Enable/Disable
System Info	Temperature	Head XX °C
		Body XX °C
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 Default	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 pressing **[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

Setting Dimmer Curve

press **ENTER** button when show the **dimmer curve** menu, then select the dimmer curve by pressing **[UP]** or **[DOWN]** button

Setting Cipher

press **ENTER** button when show the **cipher setup** menu, then setup cipher by pressing **[UP]** or **[DOWN]** button

Key mode

press **ENTER** button when show the **key mode** menu, then select lock or unlock by pressing **[UP]** or **[DOWN]** button

Show Temperature

press **ENTER** button when show the **Temp Uint CS** menu, select the way of showing the fixture's temperature in °C or °F by pressing **[UP]** or **[DOWN]** button

DMX status

press **ENTER** button when show the **DMX Status** menu, then select clear value or hold value by pressing **[UP]** or **[DOWN]** button

DMX direct

press **ENTER** button when show the **DMX direct** menu, then select DMX direct positive or negative by pressing **[UP]** or **[DOWN]** button

Display mode

press **ENTER** button when show the **Display Mode** menu, then select auto or on by pressing **[UP]** or **[DOWN]** button

3. System info

Temperature

press **ENTER** button when show the **Temperature** menu, then it will show the temperature of the fixture

Fixture time

press **ENTER** button when show the **Fixture time** menu, then it will show how long time of the fixture already used

4. Color menu

press **ENTER** button when show the **Color** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

5. White balance

press **ENTER** button when show the **white balance** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

6. Static test

press **ENTER** button when show the **static test** menu, select different color by pressing **[UP]** or **[DOWN]** button

7. Auto test

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

8. Factory setting

press **ENTER** button when show the **Factory setting** menu, adjusting color calibration 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 conducted by authorized dealers.

If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, authorized dealers must replace it 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.