



SUNSTRIP 1050

USER MANUAL

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INTRODUCTION

Thank you for having chosen our LEDING

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

- 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 degree
- 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 heatsink, 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 selectable

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it's 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.

Operation

Display Menu

Menu	Sub-menu	
Config Mode	Channel Mode	1ch/2ch/5ch St/5ch Px/9ch/10ch/18h/20ch/25ch
	Keep Screen On	Enable/Disable
	Keep DMX Data	Enable/Disable
	Fan speed	Ultra low/Low/standard/high
	Led direction	Led 1 Left / Led 1 Right
	Default Halogen Curve	Curve 1/2/3/4/5/White/Amber

	Default Dimmer Speed	Dim0/Dim1/Dim2/Dim3/Dim4
	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	SOLAR 1050
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 the first number of the Address change to (channel 1 vaule)/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 the sencond number of the Address change to (channel 2 vaule)/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 the third number of the Address change to (channel 3 vaule)/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 conctroller will be 234.

5. Set the DMX value of **channel 4** to 255,then you will save the DMX address setted 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 cablir by pressing **[UP]** or **[DOWN]** button

DMX functions and values

Mode	Channel	Function	value	Remark
1CH	1	Master Dimmer	000-255	

Mode	Channel	Function	value	Remark
2Ch-2Px	1	Dimmer Led 1-5	000 - 255	0 - 100%
	2	Dimmer Led 6-7	000 - 255	0 - 100%

Mode	Channel	Function	value	Remark
5CH Strobe	1	Master Dimmer	000 - 255	0 - 100%
	2	Duration	000 - 255	0 - 100%

	3	Strobe	000 - 005	Shutter open
			006-010	Shutter closed
			011 - 092	Regular slow to fast
			093 - 174	Random slow to fast
			175 -250	Random synchronized slow to fast
	251-255	Shutter Open Fast dimmer disable (Note 1)		
	4	Pattern	000-255	Pattern 1-81
	5	Flow Effect	000 - 255	Effect 1- 5

Mode	Channel	Function	value	Remark
5Ch-Px	1	Dimmer Led 1-2	000 - 255	0 - 100%
	2	Dimmer Led 3-4	000 - 255	0 - 100%
	3	Dimmer Led 5-6	000 - 255	0 - 100%
	4	Dimmer Led 7-8	000 - 255	0 - 100%
	5	Dimmer Led 9-10	000 - 255	0 - 100%

Mode	Channel	Function	value	Remark
9CH	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 - 005	Shutter open
			006-010	Shutter closed
			011 - 092	Regular slow to fast
			093 - 174	Random slow to fast
			175 -250	Random synchronized slow to fast
			251-255	Shutter Open Fast dimmer disable (Note 1)
	6	Pattern	000-255	Pattern 1-81
	7	Flow Effect	000-010	Effect Off
			011 -014	P1 with fade
			015 - 017	P1 Instant
			018 - 021	P2 with fade
			022 - 024	P2 Instant
			025 - 028	P3 with fade
			029 - 031	P3 Instant
			032 - 035	P4 with Fade
			??????????	etc….....
249-252			P37 Random Pixel fade (Note 2)	
253-255	P37 Random Pixel instant (Note 2)			
8	Effect Speed	001 - 255	Slow to fast	

	9	Leds mode	001 - 030	Separate White/Amber control
			031 - 060	Tungsten 1
			061 - 090	Tungsten 2
			091 - 120	Tungsten 3
			121 - 150	Tungsten 4
			151 - 180	Tungsten 5
			181 - 234	No effect
			235 - 244	Led direction 1 < 10 (Hold 3sec)
			245 - 255	Led direction 10 > 1 (Hold 3sec)

Mode	Channel	Function	value	Remark
18CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Dimmer Led-1	000 - 255	0 - 100%
	3	Dimmer Led-2	000 - 255	0 - 100%
	4	Dimmer Led-3	000 - 255	0 - 100%
	5	Dimmer Led-4	000 - 255	0 - 100%
	6	Dimmer Led-5	000 - 255	0 - 100%
	7	Dimmer Led-6	000 - 255	0 - 100%
	8	Dimmer Led-7	000 - 255	0 - 100%
	9	Dimmer Led-8	000 - 255	0 - 100%
	10	Dimmer Led-9	000 - 255	0 - 100%
	11	Dimmer Led-10	000 - 255	0 - 100%
	12	Duration	000 - 255	0 - 100%
	13	Strobe	000 - 005	Shutter open

			006-010	Shutter closed
			011 - 092	Regular slow to fast
			093 - 174	Random slow to fast
			175 -250	Random synchronized slow to fast
			251-255	Shutter Open Fast dimmer disable (Note 1)
14	Pattern		000-255	Pattern 1-81
15	Flow Effect		000-010	Effect off
			011 -014	P1 with fade
			015 - 017	P1 Instant
			018 - 021	P2 with fade
			022 - 024	P2 Instant
			025 - 028	P3 with fade
			029 - 031	P3 Instant
			032 - 035	P4 with Fade
			??????????	etc….....
			249-252	P37 Random Pixel fade (Note 2)
			253-255	P37 Random Pixel instant (Note 2)
16	Effect Speed		000-255	Slow to fast
17	Leds mode		000 - 009	Curve set in the menu
			010 - 034	Tungsten 1
			035 - 059	Tungsten 2

			060 - 084	Tungsten 3
			085 - 109	Tungsten 4
			110 - 134	Tungsten 5
			135 - 159	Only White
			160 - 184	Only Amber
			185 - 234	No effect
			235 - 244	Led direction 1 < 10 (Hold 3sec)
			245 - 255	Led direction 10 > 1 (Hold 3sec)
	18	Dimmer speed	000-009	Dim set in Menu
			010 - 019	Dim 0
			020-029	Dim 1
			030-039	Dim 2
			040-049	Dim 3
			050-059	Dim 4
		060-255	Fade 0 to 10sec (Note 3)	

Mode	Channel	Function	value	Remark
20CH	1	Dimmer Led-1 White	000 - 255	0 - 100%
	2	Dimmer Led-1 Amber	000 - 255	0 - 100%
	3	Dimmer Led-2 White	000 - 255	0 - 100%
	4	Dimmer Led-2 Amber	000 - 255	0 - 100%

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

Mode	Channel	Function	value	Remark
25CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Dimmer Led-1 White	000 - 255	0 - 100%
	3	Dimmer Led-1 Amber	000 - 255	0 - 100%
	4	Dimmer Led-2 White	000 - 255	0 - 100%
	5	Dimmer Led-2 Amber	000 - 255	0 - 100%
	6	Dimmer Led-3 White	000 - 255	0 - 100%
	7	Dimmer Led-3 Amber	000 - 255	0 - 100%
	8	Dimmer Led-4 White	000 - 255	0 - 100%
	9	Dimmer Led-4 Amber	000 - 255	0 - 100%
	10	Dimmer Led-5 White	000 - 255	0 - 100%
	11	Dimmer Led-5 Amber	000 - 255	0 - 100%
	12	Dimmer Led-6 White	000 - 255	0 - 100%
	13	Dimmer Led-6 Amber	000 - 255	0 - 100%
	14	Dimmer Led-7 White	000 - 255	0 - 100%
	15	Dimmer Led-7 Amber	000 - 255	0 - 100%
	16	Dimmer Led-8	000 - 255	0 - 100%

	White		
17	Dimmer Led-8 Amber	000 - 255	0 - 100%
18	Dimmer Led-9 White	000 - 255	0 - 100%
19	Dimmer Led-9 Amber	000 - 255	0 - 100%
20	Dimmer Led-10 White	000 - 255	0 - 100%
21	Dimmer Led-10 Amber	000 - 255	0 - 100%
22	Duration	000 - 255	0 - 100%
23	Strobe	000 - 005	Shutter open
		006-010	Shutter closed
		011 - 092	Regular slow to fast
		093 - 174	Random slow to fast
		175 -250	Random synchronized slow to fast
		251-255	Shutter Open Fast dimmer disable (Note 1)
24	Leds mode	001 - 030	Separate White/Amber control
		031 - 060	Tungsten 1
		061 - 090	Tungsten 2
		091 - 120	Tungsten 3
		121 - 150	Tungsten 4
		151 - 180	Tungsten 5

			181 - 234	No effect
			235 - 244	Led direction 1 < 10 (Hold 3sec)
			245 - 255	Led direction 10 > 1 (Hold 3sec)
	25	Dimmer speed	000-009	Dim set in Menu
			010 - 019	Dim 0
			020-029	Dim 1
			030-039	Dim 2
			040-049	Dim 3
			050-059	Dim 4
			060-255	Fade 0 to 10sec (Note 3)

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 servicable 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, oscilation-free and fire-resistant location.

