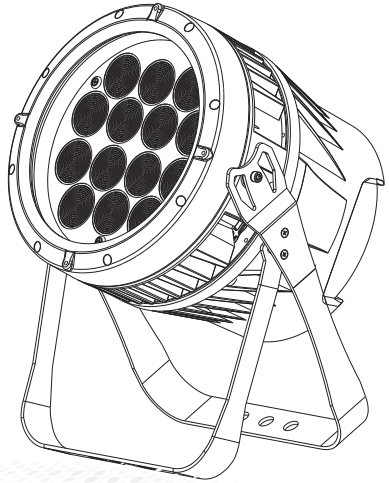
Super SOLAR-2 ze/ETZ MK4

USER MANUAL

Super SOLAR-2 ze/ETZ MK4

SS342



MODEL:SS342XCEM

Guangzhou Yajiang Photoelectric Equipment Ltd.
Tel : 020-86947788 E-mail : sales@yajiang.cn
Fax : 020-86943773 Website : www.yajiang.cn

Since 1985

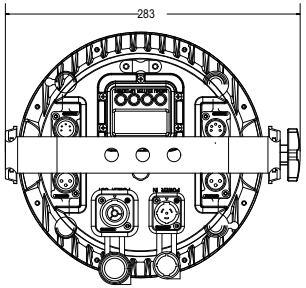
RD-SS342-SM-03(SS-I)

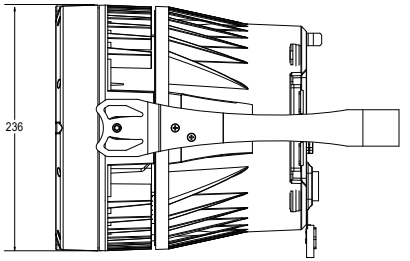
1 PRODUCT (GENERAL)

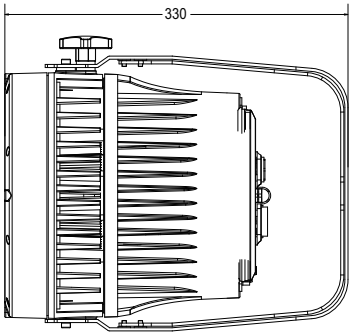
1.1 TECHNICAL SPECIFICATIONS

LED MODULE

Type	Model	Voltage	Operation Temperature	Weight (KG)	Dimensions 2 (mm)	Power (W)	IP
I	RGBW:20Wx14	AC100~240V 50/60Hz	-20~45℃	8.6	330x283x236	235	65







1.2 SAFETY WARNING

IMPORTANT：

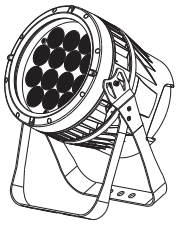
- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare directly into the LED light source.
- Always disconnect the power before carrying out any maintenance.
- The earth must always be connected to the ground.
- Ensure that all parts of the equipment are kept clean and free of dust.

2 INSTALLATION

2.1 MOUNTING

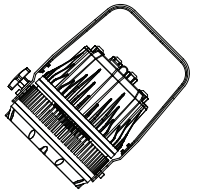
HANGING

The fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.



UPRIGHT

The fixture can be mounted in an upright or sitting position using the supporting brackets.



NOTE	**The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED MODULE using the two adjustment knobs located on the side of the fixture.**

2.2 POWER CONNECTIONS

@ 220V: 10 units may be connected in series

@110V: 5units may be connected in series

Note:
If the signal cable is over 60m between the DMX512 controller and fixture or beween two fixtures, then a DMX signal amplifier is needed as well.

AR2.Z

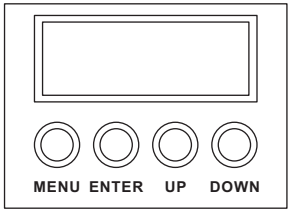
CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE
6	0⇔255	ZOOM
7	0⇔255	ZOOM RESET

CHANNEL	VALUE	FUNCTION
12		**STROBE**
	0⇔10	NO FUNCTION
	11⇔255	1~20Hz
13		**AUTO**
	0 ⇔ 40	NO FUNCTION
	41 ⇔ 50	AUTO 1
	51 ⇔ 60	AUTO 2
	61 ⇔ 70	AUTO 3
	71 ⇔ 80	AUTO 4
	81 ⇔ 90	AUTO 5
	91 ⇔ 100	AUTO 6
	101 ⇔ 110	AUTO 7
	111 ⇔ 120	AUTO 8
	121 ⇔ 130	AUTO 9
	131 ⇔ 140	AUTO 10
	141 ⇔ 150	PR.01
	151 ⇔ 160	PR.02
	161 ⇔ 170	PR.03
	171 ⇔ 180	PR.04
	181 ⇔ 190	PR.05
	191 ⇔ 200	PR.06
	201 ⇔ 210	PR.07
	211 ⇔ 220	PR.08
	221 ⇔ 230	PR.09
	231 ⇔ 255	PR.10
14		**AUTO SPEED ADJUSTMENT**
	0⇔255	When using CH13,AUTO01-AUTO10, this function activated
15		**DIMMER SPEED**
	0⇔9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10⇔29	LINEAR DIMMER
	30⇔69	NON LINEAR DIMMER 1（fastest）
	70⇔129	NON LINEAR DIMMER 2
	130⇔189	NON LINEAR DIMMER 3
	190⇔255	NON LINEAR DIMMER 4（slowest）
16	0⇔255	ZOOM
17	000⇔200	NO FUNCTION
	201⇔220	ZOOM RESET
	221⇔255	NO FUNCTION

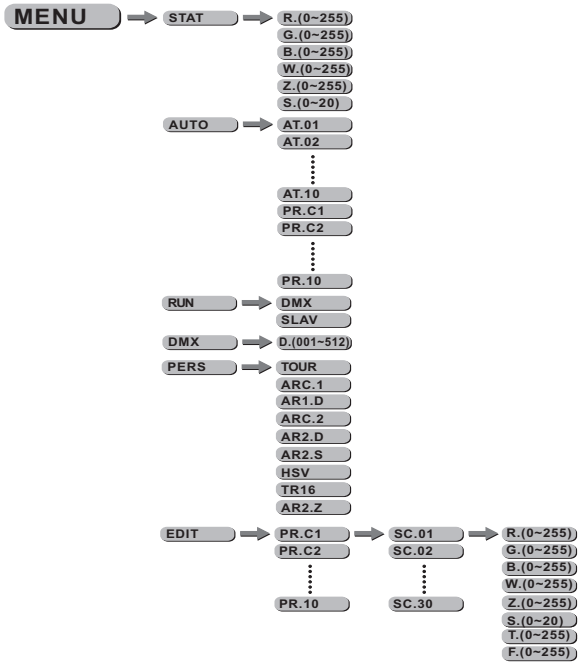
3 DISPLAY PANEL OPERATION

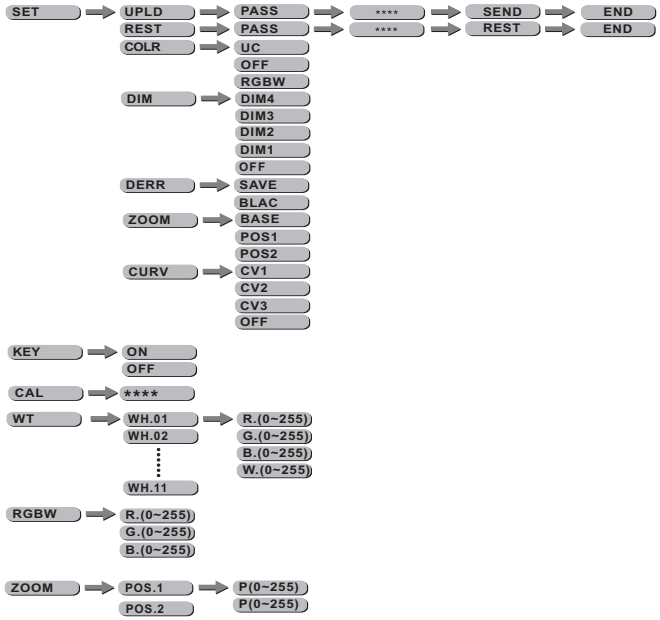
3.1 DISPLAY OPERATION

【 MENU 】return to the previous menu.
【ENTER】enter the currently selected menu.
【 UP 】scroll down through the current menu list or decrease the value of the current function.
【 DOWN 】scroll up through the current menu list or Increase the value of the current function.



3.2 MENU MAP





TR16

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	MASTER DIMMER FINE
3	0⇔255	RED
4	0⇔255	RED FINE
5	0⇔255	GREEN
6	0⇔255	GREEN FINE
7	0⇔255	BLUE
8	0⇔255	BLUE FINE
9	0⇔255	WHITE
10	0⇔255	WHITE FINE
11		COLOR MACRO
	0⇔10	NO FUNCTION
	11⇔30	RED100%/GREEN UP/BLUE0%
	31⇔50	RED DOWN/GREEN 100%/BLUE0%
	51⇔70	RED 0%/GREEN 100%/BLUE UP
	71⇔90	RED 0%/GREEN DOWN/BLUE 100%
	91⇔110	RED UP/GREEN 0%/BLUE100%
	111⇔130	RED100%/GREEN 0%/BLU EDOWN
	131⇔150	RED100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔200	RED100%/GREEN 100%P/BLUE100%/WHITE 100%
	201⇔205	WHITE1：3200K
	206⇔210	WHITE2：3400K
	211⇔215	WHITE3：4200K
	216⇔220	WHITE4：4900K
	221⇔225	WHITE5：5600K
	226⇔230	WHITE6：5900K
	231⇔235	WHITE 7: 6500K
	236⇔240	WHITE 8: 7200K
	241⇔245	WHITE 9: 8000K
	246⇔250	WHITE 10: 8500K
	251⇔255	WHITE 11: 10000K

AR2.D

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE

AR2.S

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE
6	0⇔255	STROBE

HSV

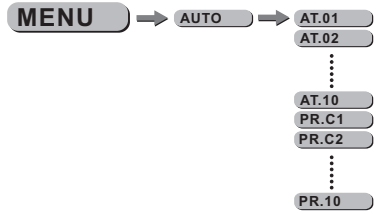
CHANNEL	VALUE	FUNCTION
1	0⇔255	HUE(0~100%)
2	0⇔255	SATURATION(0~100%)
3	0⇔255	VALUE(0~100%)

3.3 EDIT STATIC COLOUR



- Combine【Red】,【Green】,【Blue】,【White】and【Zoom】to create an infinite range of colors (0-255)
- Set the value of the【Strobe】(0-20Hz)

3.4 ACTIVATING AUTO PROGRAMS



- Select the target【AUTO】program and press【ENTER】.
- Programs【AT.01】to【AT.10】are fully pre-programmed and will not be altered by changes in【EDIT】mode.
- Programs【PR.01】to【PR.10】are fully pre-programmed and can be edited in【EDIT】mode.

3.5 RUN MODE



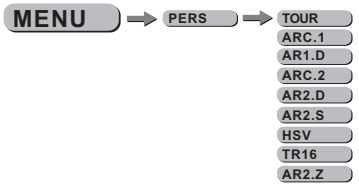
- Enter the【RUN】mode to set working mode.
- 【DMX】mode is for using the DMX512 controller to control the fixtures.
- 【SLAV】mode is for Master -- Slave operation.

3.6 DMX512 SETTINGS



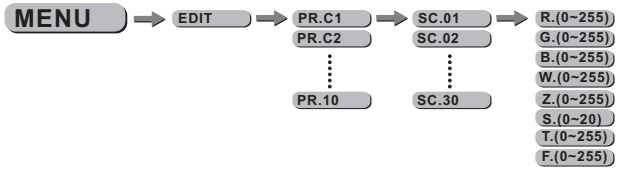
- Enter the【ADDR】mode to set the DMX ADDRESS.

3.7 PERSONALITY



- Enter the【PERSONALITY】mode to select DMX mode:【TOUR】【ARC.1】, 【AR1.D】, 【ARC.2】【AR2.D】,【AR2.S】,【HSV】,【TR16】,【AR2.Z】..

3.8 EDITING CUSTOM PROGRAMS



- Enter the【EDIT 】mode to edit the custom programs【PR.01】to 【PR.10】.
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using RED 【Red】, GREEN 【Green】, BLUE 【Blue】, WHITE【White】, STRB【Strb】,TIME【Time】 & FADE【Fade】.

ARC.1

CHANNEL	VALUE	FUNCTION
1	0⇔255	RED
2	0⇔255	GREEN
3	0⇔255	BLUE

AR1.D

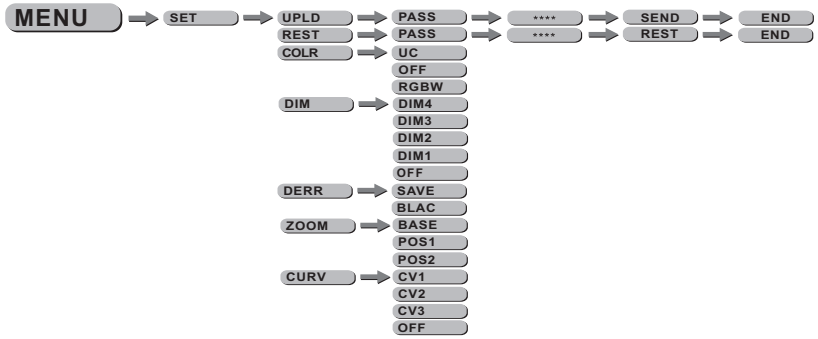
CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE

ARC.2

CHANNEL	VALUE	FUNCTION
1	0⇔255	RED
2	0⇔255	GREEN
3	0⇔255	BLUE
4	0⇔255	WHITE

CHANNEL	VALUE	FUNCTION
6	231⇔235	WHITE 7: 6500K
	236⇔240	WHITE 8: 7200K
	241⇔245	WHITE 9: 8000K
	246⇔250	WHITE 10: 8500K
	251⇔255	WHITE 11: 10000K
7		**STROBE**
	0⇔10	NO FUNCTION
	11⇔255	1~20Hz
8		**AUTO**
	0 ⇔ 40	NO FUNCTION
	41 ⇔ 50	AUTO 1
	51 ⇔ 60	AUTO 2
	61 ⇔ 70	AUTO 3
	71 ⇔ 80	AUTO 4
	81 ⇔ 90	AUTO 5
	91 ⇔ 100	AUTO 6
	101 ⇔ 110	AUTO 7
	111 ⇔ 120	AUTO 8
	121 ⇔ 130	AUTO 9
	131 ⇔ 140	AUTO 10
	141 ⇔ 150	PR.01
	151 ⇔ 160	PR.02
	161 ⇔ 170	PR.03
	171 ⇔ 180	PR.04
	181 ⇔ 190	PR.05
	191 ⇔ 200	PR.06
	201 ⇔ 210	PR.07
	211 ⇔ 220	PR.08
	221 ⇔ 230	PR.09
	231 ⇔ 255	PR.10
9		**AUTO SPEED ADJUSTMENT**
	0⇔255	When using CH8,AUTO01-AUTO10, this function activated
10		**DIMMER SPEED**
	0⇔9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10⇔29	LINEAR DIMMER
	30⇔69	NON LINEAR DIMMER 1（fastest）
	70⇔129	NON LINEAR DIMMER 2
	130⇔189	NON LINEAR DIMMER 3
	190⇔255	NON LINEAR DIMMER 4（slowest）
11	0⇔255	ZOOM
12	000 ⇔200	NO FUNCTION
	201⇔220	ZOOM RESET
	221⇔255	NO FUNCTION

3.9 SPECIAL SETTINGS



- ●[SET]...this menu allows the user to adjust key operation settings for this fixture.
- ● Select[UPLD] to upload the custom programs from the current MASTER unit to the SLAVE units.
- ● In order to reset custom modes to default values select [REST] .
- ● [COLR] is for activate/unactivate the color calibration functions. When [RGBW] is selected, on RGB = 255,255,255, the color is displayed as calibrated in CAL2 -- RGBW. When[COLR] is set [OFF] , on RGB = 255,255,255, the RGBvalues are not adjusted and the output is most powerful.When [UC] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.
- ● Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4]is the slowest dimming speed)
- ●[DERR] Choose[Save] in order to save the last DMX data incase of DMX signal error. Choose[Black] in order to blackout in case of DMX signal error.
- ●[ZOOM]Calibrate the position of POS1&POS2.Set position as 0 for smallest zoom position. selecf BASE for defaulf zoom position (zoom=0)
- ●[CURV] allows the user to adjust the shape of the dimming curve. See the CURV chart to understand more about actual dimming curves.

3.10 ACTIVATE THE PASSWORD



- ● Enter the【KEY】mode to select whether the access password is on or off.
- ● When the fixture is set as PASS 【ON】, after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.

Note: The factory access password is【UP】+【DOWN】+【UP】+【DOWN】, then press 【ENTER】to confirm the access.

3.11 EXTRA



- When the user enter 【 CAL】and input the correct password, the hidden menu 【Cablid】,【default】 will appear on display panel, and the user is able to reset the 【DEFAULT】values of all functions. The default access code is UP + DOWN + UP + DOWN..

3.12 WHITES CALIBRATION



- Enter the 【CAL1】to select white color of different color temperature.
- There are 11 pre-programmed White colors can be edited by using 【Red】, 【Green】, 【Blue】 & 【White】.

3.13 RGB CALIBRATION



- Enter the 【MENU】to adjust the RGBW parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255, the white color will be made by the actual RGBW values on the 【RGBW】.

3.14 ZOOM RANGE



- Select the【ZOOM】range.【POS1】&【POS2】set the small position for thezoom function.Note that when using DMX to control the fixture, the user will only be able to access upto the set ZOOM position.It is not possible to adjust beyond the set position.

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

- Note: This product have three DMX512 channel configuration: 【TOUR】,【ARC.1】,【AR1.D】,【ARC.2】,【AR2.D】,【AR2.S】, 【HSV】,【TR16】and 【AR2.Z】

TOUR

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED (or STEP TIME when CUS.01-CUS.10 in CH8 is activated)
3	0⇔255	GREEN (or FADE TIME when CUS.01-CUS.10 in CH8 is activated)
4	0⇔255	BLUE
5	0⇔255	WHITE
6		COLOR MACRO
	0⇔10	NO FUNCTION
	11⇔30	RED100%/GREEN UP/BLUE0%
	31⇔50	RED DOWN/GREEN 100%/BLUE0%
	51⇔70	RED 0%/GREEN 100%/BLUE UP
	71⇔90	RED 0%/GREEN DOWN/BLUE 100%
	91⇔110	RED UP/GREEN 0%/BLUE100%
	111⇔130	RED100%/GREEN 0%/BLU EDOWN
	131⇔150	RED100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔200	RED100%/GREEN 100%P/BLUE100%/WHITE 100%
	201⇔205	WHITE1：3200K
	206⇔210	WHITE2：3400K
	211⇔215	WHITE3：4200K
	216⇔220	WHITE4：4900K
	221⇔225	WHITE5：5600K
	226⇔230	WHITE6：5900K