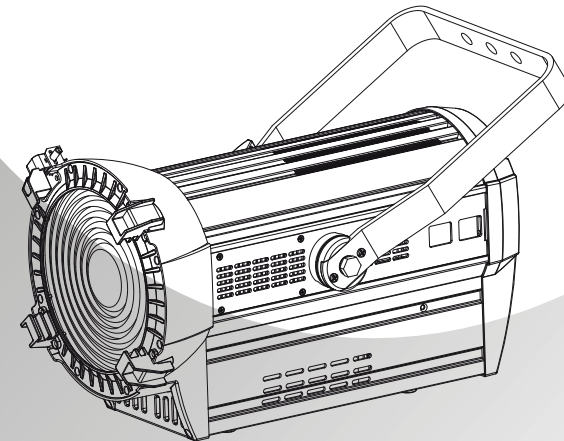


CHANNEL	VALUE	FUNCTION
8	71↔90	RED 0% / GREEN DOWN / BLUE 100%
	91↔110	RED UP / GREEN 0% / BLUE 100%
	111↔130	RED 100% / GREEN 0% / BLUE DOWN
	131↔150	RED 100% / GREEN UP / BLUE UP
	151↔170	RED DOWN / GREEN DOWN / BLUE 100%
	171↔195	ALL LED AT FULL OUTPUT
	196↔200	2700K
	201↔205	3000K
	206↔210	3200K
	211↔215	3500K
	216↔220	4000K
	221↔225	4200K
	226↔230	4500K
	231↔235	5600K
	236↔240	6000K
	241↔245	6500K
246↔250	7200K	
251↔255	8000K	
15		STROBE
	0↔9	NO FUNCTION
	10↔99	STROBE FROM ( SLOW TO FAST , 0-25Hz )
	100↔109	NO FUNCTION
	110↔179	LIGHTNING STROBE
	180↔189	NO FUNCTION
190↔255	RANDOM SROBE	
16	0↔255	ZOOM
	0↔40	NO FUNCTION
17	41↔60	ATUO1
	61↔80	ATUO2
	81↔100	ATUO3
	101↔120	ATUO4
	121↔140	ATUO5
	141↔160	ATUO6
	161↔180	ATUO7
	181↔200	ATUO8
	201↔220	ATUO9
	221↔255	ATUO10
18	221↔255	AUTO SPEED ADJUSTMENT
		DIMMER SPEED
19	0↔9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10↔29	OFF
	30↔69	DIM1
	70↔129	DIM2
	130↔189	DIM3
	190↔255	DIM4

# FREZNO ze-2 RGBAL

## USER MANUAL



**SS815**

MODELS:SS815XAL

**SILVER STAR**  
Professional Lighting

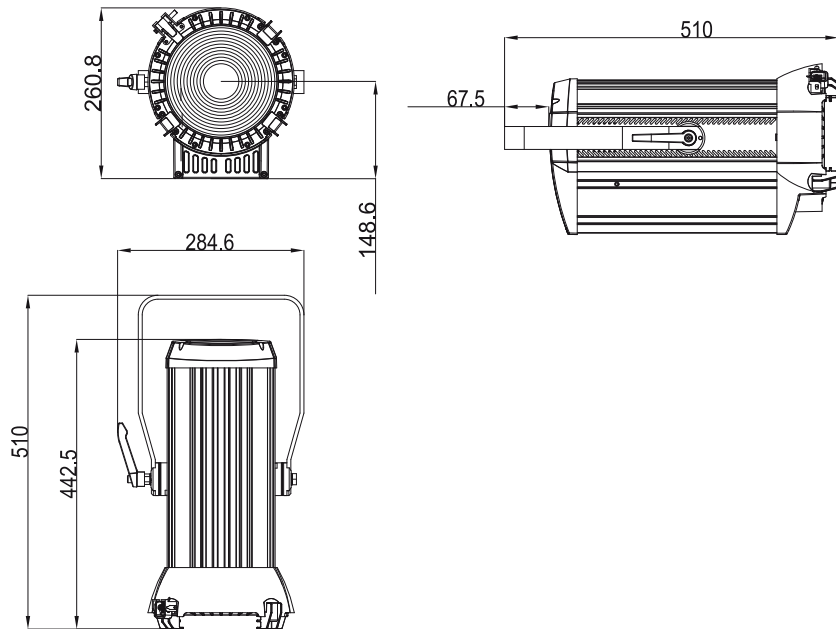
www.yajiang.cn

RD-SS815-SM-00(SS-1)

# 1 PRODUCT SPECIFICATIONS

## 1.1 PRODUCT SPECIFICATIONS

- ◆ Voltage: AC100~240V, 50/60Hz
- ◆ Max Power: 240W
- ◆ Size: 510×285×261mm
- ◆ Weight: 7.6kg



### 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	LIME
10	0 ↔ 255	LIME FINE
11	0 ↔ 255	AMBER
12	0 ↔ 255	AMBER FINE
13	0 ↔ 10	PRESET COLOR NO FUNCTION
	11 ↔ 20	L106
	21 ↔ 30	R05
	31 ↔ 40	L194
	41 ↔ 50	R54
	51 ↔ 60	L019
	61 ↔ 70	R08
	71 ↔ 80	R89
	81 ↔ 90	R86
	91 ↔ 100	L213
	101 ↔ 110	R377
	111 ↔ 120	R80
	121 ↔ 130	L202
	131 ↔ 140	L328
	141 ↔ 150	R3314
	151 ↔ 160	L101
	161 ↔ 170	L768
171 ↔ 255	NO FUNCTION	
		COLOR MACRO
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP

CHANNEL	VALUE	FUNCTION
8	196 ↔ 200	2700K
	201 ↔ 205	3000K
	206 ↔ 210	3200K
	211 ↔ 215	3500K
	216 ↔ 220	4000K
	221 ↔ 225	4200K
	226 ↔ 230	4500K
	231 ↔ 235	5600K
	236 ↔ 240	6000K
	241 ↔ 245	6500K
	246 ↔ 250	7200K
251 ↔ 255	8000K	
9		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM ( SLOW TO FAST , 0-25Hz )
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
	190 ↔ 255	RANDOM SROBE
10	0 ↔ 255	ZOOM
11	0 ↔ 40	NO FUNCTION
	41 ↔ 60	ATUO1
	61 ↔ 80	ATUO2
	81 ↔ 100	ATUO3
	101 ↔ 120	ATUO4
	121 ↔ 140	ATUO5
	141 ↔ 160	ATUO6
	161 ↔ 180	ATUO7
	181 ↔ 200	ATUO8
	201 ↔ 220	ATUO9
221 ↔ 255	ATUO10	
12	221 ↔ 255	AUTO SPEED ADJUSTMENT
13		DIMMER SPEED
	0 ↔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
190 ↔ 255	DIM4	

## 1.2 SAFETY WARNING

### IMPORTANT:

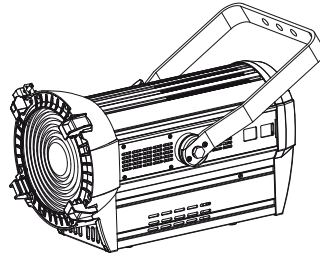
- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare 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 LED 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.



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

- 220~240V: 8 units may be connected in series
- 110~120V: 4 units may be connected in series

**Note:**

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

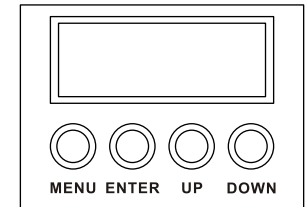
TOUR		
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	RED
3	0 ↔ 255	GREEN
4	0 ↔ 255	BLUE
5	0 ↔ 255	LIME
6	0 ↔ 255	AMBER
		PRESET COLOR
	0 ↔ 10	NO FUNCTION
	11 ↔ 20	L106
	21 ↔ 30	R05
	31 ↔ 40	L194
	41 ↔ 50	R54
	51 ↔ 60	L019
	61 ↔ 70	R08
7	71 ↔ 80	R89
	81 ↔ 90	R86
	91 ↔ 100	L213
	101 ↔ 110	R377
	111 ↔ 120	R80
	121 ↔ 130	L202
	131 ↔ 140	L328
	141 ↔ 150	R3314
	151 ↔ 160	L101
	161 ↔ 170	L768
	171 ↔ 255	NO FUNCTION
		COLOR MACRO
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP
	71 ↔ 90	RED 0% / GREEN DOWN / BLUE 100%
8	91 ↔ 110	RED UP / GREEN 0% / BLUE 100%
	111 ↔ 130	RED 100% / GREEN 0% / BLUE DOWN
	131 ↔ 150	RED 100% / GREEN UP / BLUE UP
	151 ↔ 170	RED DOWN / GREEN DOWN / BLUE 100%
	171 ↔ 195	ALL LED AT FULL OUTPUT

SSP		
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	RED
3	0 ↔ 255	GREEN
4	0 ↔ 255	BLUE
5	0 ↔ 255	LIME
6	0 ↔ 255	AMBER
7		PRESET COLOR
	0 ↔ 10	NO FUNCTION
	11 ↔ 20	L106
	21 ↔ 30	R05
	31 ↔ 40	L194
	41 ↔ 50	R54
	51 ↔ 60	L019
	61 ↔ 70	R08
	71 ↔ 80	R89
	81 ↔ 90	R86
	91 ↔ 100	L213
	101 ↔ 110	R377
	111 ↔ 120	R80
	121 ↔ 130	L202
	131 ↔ 140	L328
	141 ↔ 150	R3314
	151 ↔ 160	L101
161 ↔ 170	L768	
171 ↔ 255	NO FUNCTION	
8		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM ( SLOW TO FAST , 0-25Hz )
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
190 ↔ 255	RANDOM SROBE	
9	0 ↔ 255	ZOOM
10		DIMMER SPEED
	0 ↔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
190 ↔ 255	DIM4	

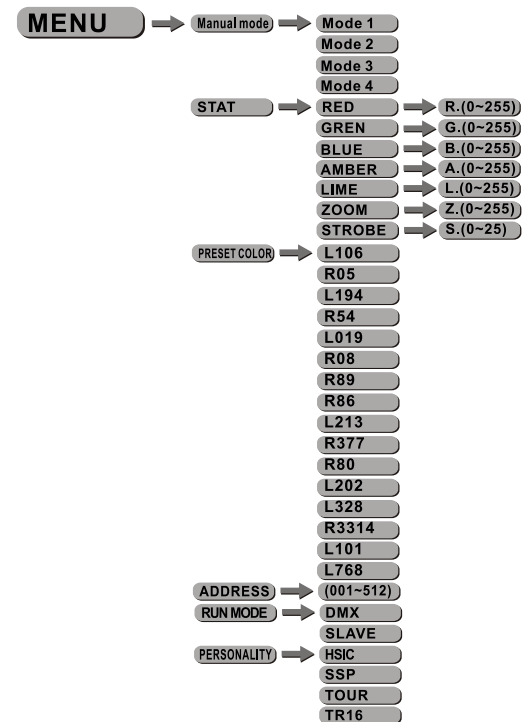
### 3 DISPLAY PANEL OPERATION

#### 3.1 DISPLAY OPERATION

- ◆ MENU: BACK;
- ◆ ENTER: ENTER OR SAVE;
- ◆ DOWN: DOWN;
- ◆ UP: UP;



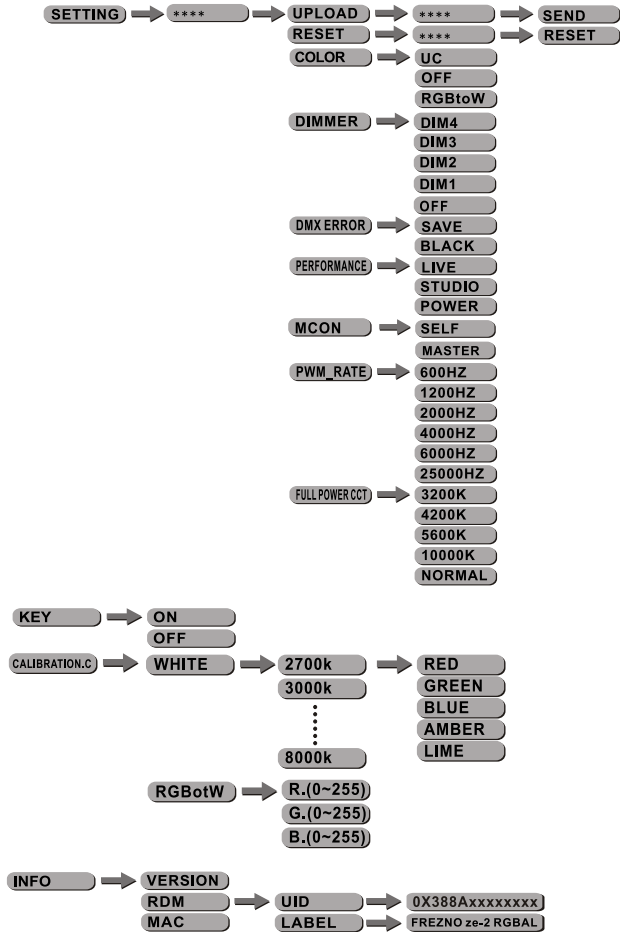
#### 3.2 MENU MAP



# 4 USING A DMX512 CONTROLLER

## 4.1 CHANNEL ASSIGNMENT

● Note: This product have four DMX512 channel configuration: **【HSIC】** , **【SSP】** , **【TOUR】** , **【TR16】** .



HSIC		
CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	INTENSITY
2	0 ↔ 255	HUE
3	0 ↔ 255	HUE FINE
4	0 ↔ 255	SATURATION
5		CCT
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	2700K
	31 ↔ 50	3000K
	51 ↔ 70	3200K
	71 ↔ 90	3500K
	91 ↔ 110	4000K
	111 ↔ 130	4200K
	131 ↔ 150	4500K
	151 ↔ 170	5600K
	171 ↔ 190	6000K
191 ↔ 210	6500K	
211 ↔ 230	7200K	
231 ↔ 255	8000K	
6		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM ( SLOW TO FAST , 0-25Hz )
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
190 ↔ 255	RANDOM SROBE	
7	0 ↔ 255	ZOOM
8		DIMMER SPEED
	0 ↔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
190 ↔ 255	DIM4	

### 3.10 ACTIVATE THE PASSWORD



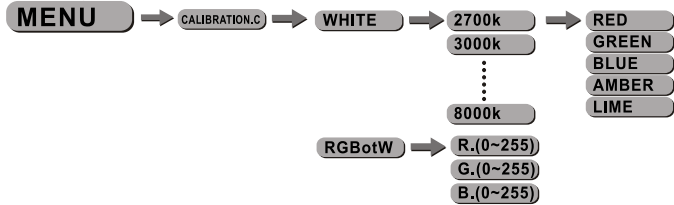
- Enter the **KEY** mode to select whether the access password is on or off.
- When the fixture is set as PASS **ON** , after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.

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

### 3.11 BALANCE PARAMETERS AND CORRECTION MENU DISPLAY

Press **MENU** button to enter the password confirmation, to enter the correct password < UP + DOWN + UP + DOWN >

Key, press the **MENU** in, the correct password will enter show submenu



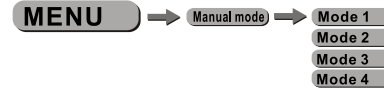
- Enter the **CALIB.C** to select white color of different color temperature.
- There are 8000k pre-programmed White colors can be edited by using **RED** , **GREEN** , **BLUE** , **AMBER** . & **LIME** .
- Enter the **RGBotW** to adjust the RGB parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255 the white color will be made by the actual RGB values on the **RGBotW** .

### 3.12 INFO



- Press **ENTER** and go to **INFO** ,you can check **VERSION** , press **DOWN** / **UP** to check **RDM** , **LABEL** , **MAC** , press **MENU** and back.

### 3.3 CONTROL KNOB SWITCH SET UP



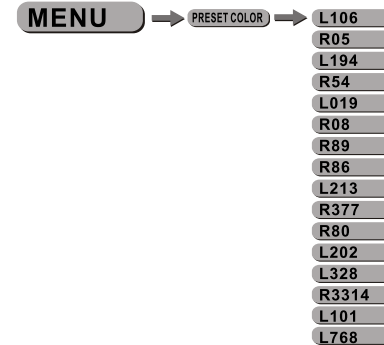
- **Manual mode** ,press **ENTER** ,enter into control knob switch set up
- press **ENTER** ,choose **Mode 1** ,order from left to right is **Dimmer** **Zoom** **CCT** , choose **Mode 2** ,order from left to right is **Dimmer** **Zoom** **CCT** , choose **Mode 3** ,order from left to right is **Hue** **Saturation** **Intersity** , choose **Mode 4** , order from left to right is **Dimmer** **CCT** **±Green**

### 3.4 EDIT STATIC COLOUR



- Combine **RED** , **GREEN** , **BLUE** , **AMBER** , **LIME** and **ZOOM** to create an infinite range of colors (0-255)
- Set the value of the **STROBE** (0-25Hz)

### 3.5 MIX-COLOR SETTING



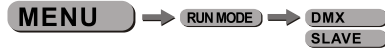
- Select **ENTER** UP\DOWN from the **PRESET COLOR** menu to choose different color mixture

### 3.6 DMX512 SETTINGS



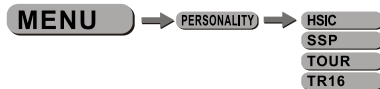
- Enter the **【ADDRESS】** mode to set the DMX ADDRESS.

### 3.7 RUN MODE



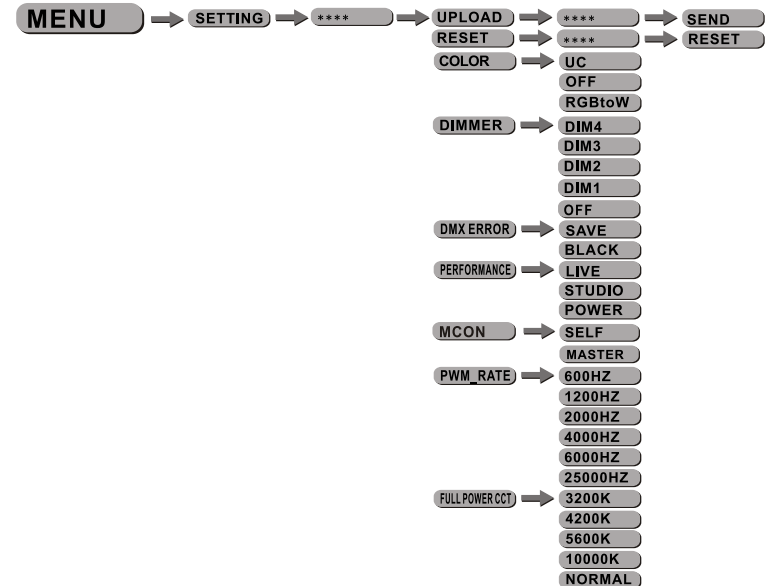
- Enter the **【RUN MODE】** mode to set working mode.
- **【DMX】** mode is for using the DMX512 controller to control the fixtures.
- **【SLAVE】** mode is for Master -- Slave operation.

### 3.8 PERSONALITY



- Enter the **【PERSONALITY】** mode to select DMX mode: **【HSIC】** , **【SSP】** **【TOUR】** , **【TR16】** .

### 3.9 SPECIAL SETTINGS



- [SETTING]...this menu allows the user to adjust key operation settings for this fixture.
- Select[UPLOAD] to upload the custom programs from the current MASTER unit to the SLAVE units.
- In order to reset custom modes to default values select [RESET] .  
Note: [UC]\[RGBW]\[CALIB.C] can' t reset
- [COLOR] is for activate/unactivate the color calibration functions. When [RGBW] is selected, on RGB = 255,255,255, the color is displayed as calibrated in CALIB.C -- RGBW. When [COLOR] is set [OFF] , on RGB = 255,255,255, the RGB values 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.  
Note: [COLOR]work only when choose [NORMAL]at [FULL POWER CCT]
- Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4]is the slowest dimming speed)
- [DMX ERROR] 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.
- <PERFORMANCE>...this setting allows the user to select the performance characteristics of the fixture.
- [MCON]...this function allows the user to select whether the fixture will send DMX data to other fixtures during stand-alone operation. The [MAST] setting allows data to be sent to Other fixtures. The [SELF] setting is default and will not send DMX data to other fixtures.
- <PWM\_RATE> is PWM refresh rate bottom, press UP/DOWN to choose <600Hz>、 <1200Hz>、 <2000Hz>、 <4000Hz>、 <6000Hz>、 <25000Hz>  
Note: with refresh rate increased, gray rate of dimmer will be reduced, (that's means high refresh rate, low gray rate), when it's <4000Hz>, CV3 is invalid, when it's <25000Hz>, CV1 CV2 CV3 are invalid, so please lower PWM rate to increase gray rate in necessary.
- <FULL POWER CCT> is the color temperature choose bottom, press UP/DOWN to choose, under full power, <3200K>、 <4200K>、 <5600K>、 <10000K> can be chosen, when choose <COLOR>, <3200K>、 <4200K>、 <5600K>、 <10000K> are not work, but choose <NORMAL>.