

Thank you for choosing SWIT products. Please read the instructions before using, and keep it for future reference.

Specification

Model	S-2820	S-2840
Color temperature	2800K-10000K	
Brightness	0%-100%	
CRI	95	
TLCI	93	
Half-intensity beam angle	65°	70°
Max illuminance	5000 Lux@1m	10000 Lux@1m
G/M	Continuously adjustable (1.00M-1.00G)	
Working mode	White mode, RGB mode, HSI mode, GEL mode, EFFECT	
Control way	Knob, Button, Mobile APP (Bluetooth/2.4G WiFi) , DMX	
Working voltage	AC 100-240V,50/60Hz, DC14.8-26V	
Output power (DC power supply)	200W	200W
Output power (AC power supply)	200W	400W
Dimension (mm)	Fig.1, Fig.2	Fig.3, Fig.4
Net weight	9.26Kg	14.4Kg

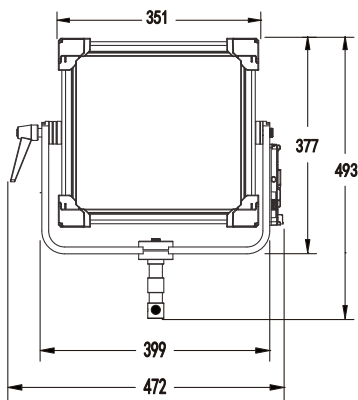


Fig.1 S-2820 front view

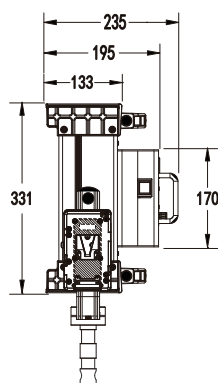


Fig.2 S-2820 side view

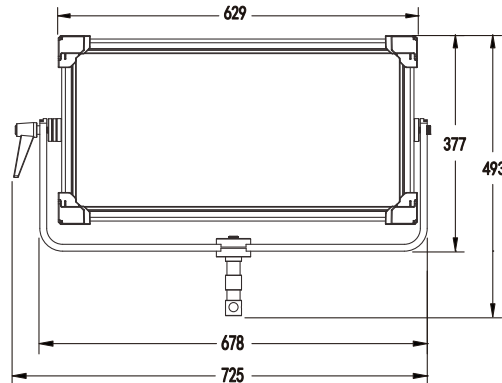


Fig.3 S-2840 front view

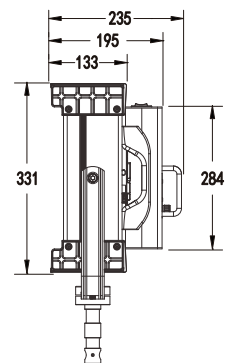


Fig.4 S-2840 side view

Caution

1. Do not disassemble the light or touch the interior of the light with metal objects to avoid damage;
2. Do not store lights in dusty or humid environment to avoid damage;
3. The USB interface is reserved. Please use it according to the specified environment of SWIT relevant products. It cannot be used for other purposes to avoid losses;
4. Working temperature : -10 °C ~ 40 °C.

Product maintenance

1. Please use a soft dry cloth to clean the soft panel of this product, or use a soft cloth slightly dipped in neutral detergent, and then wipe it with a soft dry cloth after cleaning.
2. Do not wipe the front panel with wet cloth, anhydrous alcohol, gasoline or a mixture of anhydrous alcohol and ether, otherwise it may damage the soft panel.

Appearance

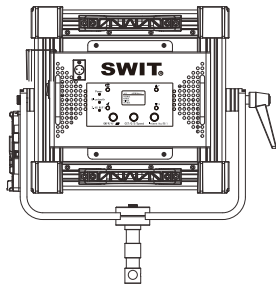


Fig.5 S-2820 back view

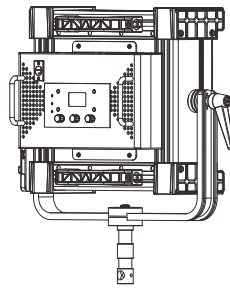


Fig.6 S-2820 back side view

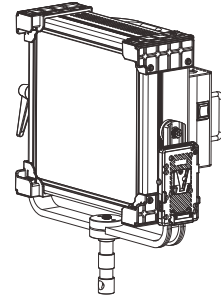


Fig.7 S-2820 front side view

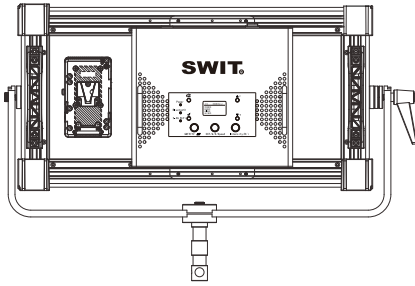


Fig.8 S-2840 back view

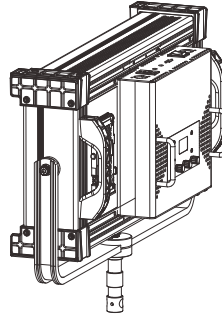


Fig.9 S-2840 back side view

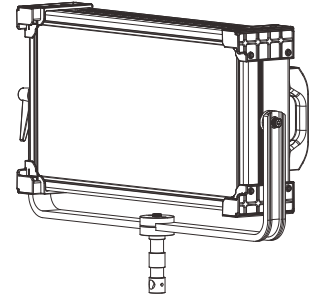


Fig.10 S-2840 front side view

Control panel and usage

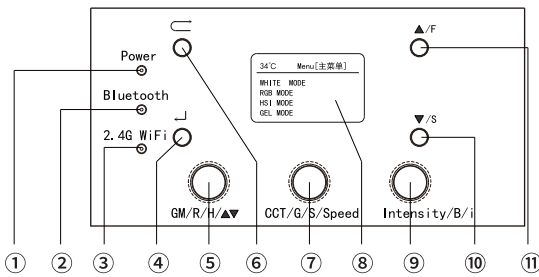


Fig.11 Control panel/main menu

- ① Power LED
- ② Bluetooth LED
- ③ 2.4G WiFi LED
- ④ Enter key
- ⑤ GM/R/H/▲▼ Adjusting knob
- ⑥ Return key
- ⑦ CCT/G/Speed Adjusting knob
- ⑧ LCD
- ⑨ Intensity/B/i Adjusting knob
- ⑩ Button (Scroll down/slow to adjust)
- ⑪ Button (Scroll up/fast to adjust)

Remark: Fig.11 ⑤⑦⑨ The knob is multiplexing. Different modes have different functions.

The main menu includes [WHITE MODE], [RGB MODE], [HSI MODE], [GEL MODE], [EFFECT], [SETTING] options, when the light is in working:

- Users can use "↶" key (Fig.11 ⑥) to return to main menu;
- Through "GM/R/H/▲▼" Adjusting knob (Fig.11 ⑤) or "▲" button (Fig.11 ⑪) or "▼" button (Fig.11 ⑩) Select target options;
- Through "↵" key (Fig.11 ④) Enter target options.

1. WHITE MODE

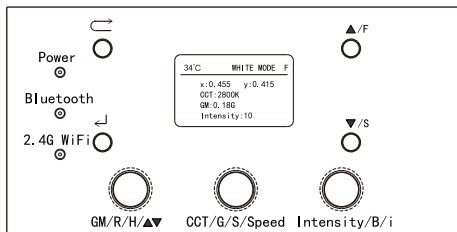


Fig.12 WHITE MODE

In this mode, user can set "GM", "CCT", "Intensity" and other parameters by using the knob shown in Fig.11 ⑤ ⑦ ⑨ respectively. "x" and "y" shown in LCD (Fig.11 ⑧) are the reference color coordinate under the current parameter setting (quantitative calculation according to CIE 1931 xy coordinate):

Number	Parameter	Adjusting range	Adjusting step length	
			F (Fast adjustment)	S (Slow adjustment)
1	CCT	2800K-10000K	500	50
2	GM	1.00M←-0.00G→1.00G	0.1	0.01
3	Intensity	0-100	10	1

Tab.1 [WHITE MODE] Adjustable parameters and range

2. RGB MODE

In this mode, users can set and adjust the three light source components of R/G/B by using the knob shown in Fig.11 ⑤ ⑦ ⑨ respectively. "x" and "y" shown in LCD (Fig.11 ⑧) are the reference CIE 1931 color coordinate of the corresponding color of the correspondin color under the current parameter setting. The adjustment range of the three light sources of RGB is as follows:

Number	Parameter	Adjusting range	Adjusting step length	
			F (Fast adjustment)	S (Slow adjustment)
1	R	0-255	10	1
2	G	0-255	10	1
3	B	0-255	10	1

Tab.2 [RGB MODE] Adjustable parameters and range

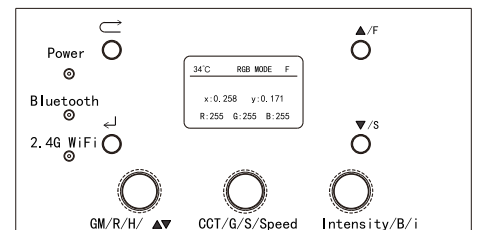


Fig.13 RGB MODE

3.HSI MODE

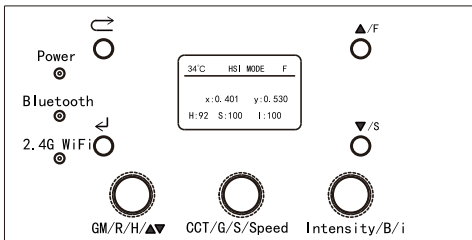


Fig.14 HSI MODE

In this mode, users can set H/S/I and other parameters by using the knob shown in Fig.11 ⑤⑦⑨ respectively. “x” and “y” shown in LCD (Fig.11 ⑧) are the reference CIE 1931 color coordinate of the corresponding color under the current parameter setting. The adjustment range of H/S/I as follows:

Number	Parameter	Adjusting range	Adjusting step length	
			F (Fast adjustment)	S (Slow adjustment)
1	H (Hue)	0°-360°	10	1
2	S (Saturation)	0-100	10	1
3	I (Illuminance)	0-100	10	1

Tab.3 【HSI MODE】Adjustable parameters and rang

4.GEL MODE

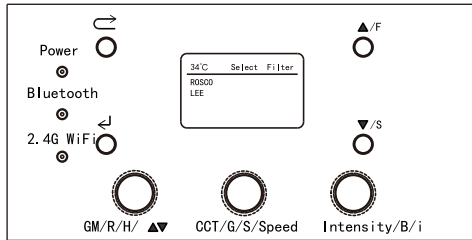


Fig.15 GEL MODE

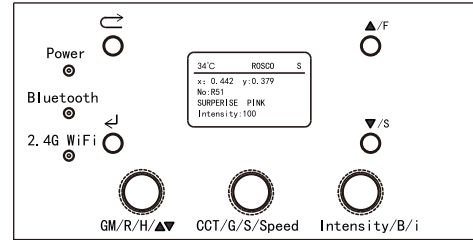


Fig.16 ROSCO-R51 Surprise Pink

S-2820 and S-2840 have built-in 20 commonly used filters (as shown in Tab. 4), which are from two famous filter companies named LEE and ROSCO. In this mode, users can quickly and conveniently find the appropriate lighting effect according to the use demand. After selecting the filter, the customer can adjust the brightness according to the use demand. The content (Fig. 16) shown in LCD (Fig. 11 ⑧) includes: "x" and "y" are the reference CIE 1931 color coordinate, filter number, name and current brightness of the corresponding color under the current parameter setting.

Number	Brand		Number	Brand	
	ROSCO	LEE		ROSCO	LEE
1	R65 Daylight Blue	131 Marine Blue	11	R38 Light Rose	007 Pale Yellow
2	R9406 Bastard Amber	148 Bright Rose	12	R4415 CalColor Green	243 LEE Fluorescent
3	R333 Blush Pink	002 Rose Pink	13	E156 Chocolate	603 Moonlight White
4	G910 Alice Blue	128 Bright Pink	14	R397 Pale Grey	194 Super Pink
5	R92 Turquoise	724 Ocean Blue	15	E723 Virgin Blue	701 Provence
6	R93 Blue Green	137 Special Lavender	16	G990 Dark Lavender	115 Peacock Blue
7	E724 Ocean Blue	723 Virgin Blue	17	G220 Pink Magenta	110 Middle Rose
8	E165 Daylight Blue	169 Lilac Tint	18	G720 Light Steel Blue	048 Rose Purple
9	E153 Pale Salmon	201 Full C.T Blue	19	E128 Bright Pink	602 Platinum
10	G342 Light Honey	036 Medium Pink	20	R51 Surprise Pink	117 Steel Blue

Tab. 4 S-2820/S-2840 Built-in filter

5.EFFECT

In this mode, we preset Police, Lightning, Candle, Scene Yellow, Scene Green, Scene Blue, HSI Demo, White Demo and other 8 scene modes. After the user selects the scene according to the usage requirements, they can adjust the Speed and Intensity through the knob Fig.11 ⑦/⑨).

Number	Parameter	Adjusting range	Adjusting step length	
			F (Fast adjustment)	S (Slow adjustment)
1	Speed	0-100	5	1
2	Intensity	0-100	10	1

Tab.5【EFFECT】Adjustable parameters and rang

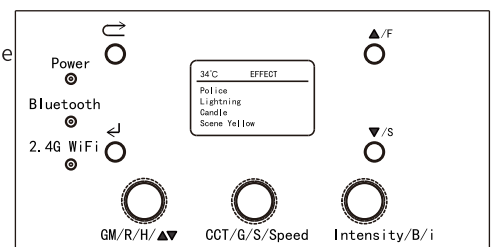


Fig.17 EFFECT

6. SETTING

In this mode, the user can adjust the knob shown in Fig.11 ⑤ to set according to the usage requirements, and the setting range is shown in Tab. 6

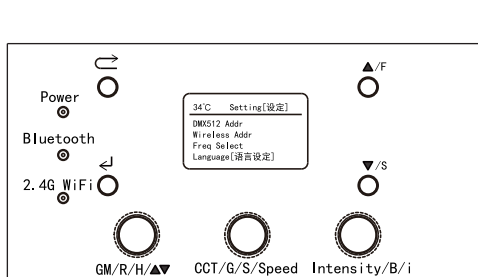


Fig.18 SETTING

Number	Options List	Adjustable range	Description
1	DMX512 address	0-512	1) F (Fast Adjustment) Adjustment step length:10 2) S (Slow Adjustment) Adjustment step length:1
2	Wireless address	0-16	Adjustment step length:1
3	Frequency select	17.6 KHz; 25.0 KHz 35.2 KHz	See the Remark
4	Language	English; Chinese	/
5	Device information	/	Device and version information

Tab.6 【Setting】Options List and adjustable range

Remark:

- To maintain the best condition, please try to keep the factory Settings. If high frequency LED outputs is needed to achieve zero stroboscopic effect, it is suggested to adjust the frequency setting according to shooting requirements.
- Frequency setting options include 17.6 KHz, 25.0 KHz, 35.2 KHz, factory setting 35.2 KHz.

Address setting and usage

1. Address setting

The setting method of DMX512 address is shown in [Control panel and usage] [6. SETTING].

2. Function definition of DMX channel of lights

Connect the DMX signal output device with this product, set the communication address, and then it can be used normally.

This light occupies a total of 8 DMX control channels. If the current DMX address is N, then:

Channel Address	Function	Channel Address	Function
N	Total brightness control (0-100)	N+4	Red brightness control (0-255)
N+1	Color temperature control (2800K-10000K)	N+5	Green brightness control (0-255)
N+2	GM Control (1.00M←0.00G→1.00G)	N+6	Blue brightness control (0-255)
N+3	Light color switch (White →RGBW color)	N+7	White brightness control (0-255)

Tab.7 DMX 512 Channel Address and Functions

The acquirement and use of the APP

1. The name and acquirement approach of the APP

1) Name of the APP: RGB Panel

2) Approach

• Android: <http://www.swit.cc> → [Products] → [Lighting] → [S-2820/S-2840]

• IOS: Apple Store

2. The use of the APP

2.1 Single light control

1) Set the wireless address of the light to be controlled [Main Menu-Setting-Wireless Address].

2) Connect the APP to the light that need to be controlled:

- Open APP, click on Bluetooth icon in the upper right corner of the APP and enter “BLE Controller” interface.
- Click on “CONNECT”, enter “BLE Scanner” interface.
- Find the light model and Bluetooth serial number, connect them, and the Bluetooth/2.4G WiFi indicator of the controlled light will be lit when it is connected.
- Click on “←” and exit “BLE Controller” interface.

3) Complete the above steps and you can use it normally.

2.2 Group Control

1) Set the wireless address of the light that need to be controlled:

Choose different addresses. For example, if 3 lights need to be group controlled, the wireless address of the lights can be set as 1, 2 and 3 respectively.

2) Open the APP, follow the steps described in [2.1 Single light control], enter “BLE Scanner” interface, connect address1 (Group ID: #1), enter “BLE Controller” interface, turn on “Group Control, and choose #1, #2, #3.

3) Click on “DISCONNECT”, pop up “Bluetooth is disconnected” dialog box, and click on “OK”

4) Click on “CONNECT” in “BLE Controller” interface, connect address1 again (Group ID: #1), and choose #1, #2, #3.

5) Exit [BLE Controller] interface.

6) Complete the above steps and you can use it normally.

Software version update

This product can update the light software through the APP. The specific operation steps are as follows:

1. Long press “▲” (Fig.11 ⑪), “▼” (Fig.11 ⑩), and open the power switch. When the letters (Fig.19) are shown on the control panel LCD (Fig.11 ⑧), then it can be connected to the Bluetooth APP (Bluetooth connection method in [The acquirement and use of the APP]);
2. After connecting Bluetooth, click on “:” in the upper right corner of the APP, choose [Firmware Update]. When the light control panel LCD (Fig.11) shows OK (Fig.20), it is completed.

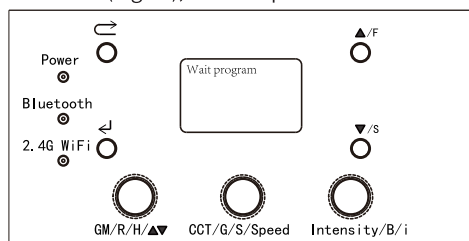


Fig.19 Wait for Firmware update

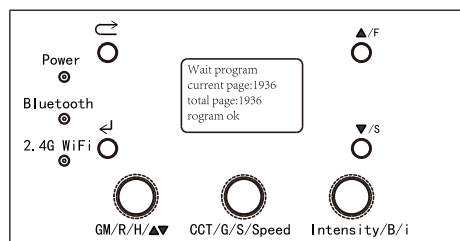


Fig.20 Firmware update completed

Packing List

Number	Details	Quantity
1	S-2820/S-2840	x 1
2	Barn Door	x 1
3	Power Cable	x 1
4	User Manual	x 1
5	Warranty Card	x 1
6	Metal Honeycomb (Optional)	Customers can purchase according to demand.
7	Honeycomb Softbox (Optional)	