

SWIT®

CL-M100C
100W RGB Mini Size
Studio SMD LED Light

Ver:A

USER MANUAL

SWIT Electronics Co.,Ltd.

Tel:+86-25-85805753
 Fax:+86-25-85805296
<http://www.swit.cc>
 E-mail: contact@swit.cc

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

Specification

Model		CL-M100C
LED QTY		RGB LED (170pcs) +Warm White LED(340pcs)
White Light	Color Temperature	2800K-10000K, Minimum Adjust Step:50K
	Brightness	0%-100%, Minimum Adjust Step:0.1%
	Illumination	3000 Lux@1m / 854Lux@2m / 384Lux@3m
	CRI	96 Max. , Avg 94
	TLCI	93 Max. , Avg 90
RGB Light		RGB+W,Color Gamut,HUE,Saturability adjustment
G-M Offset		Continuous adjustment (-1.00~+1.00, Adjust step 0.01)
Half Beam Angle		About 62°
Mode		CCT, HSI, RGB, CIE, GEL, EFF, DMX, SYS
Control		Button, DMX, APP
Update		USB: (Format "FAT" or "FAT32")
Power	Power Consumption	About 100W
	Power Supply	AC 100-240V , 50/60HZ
Dimension	luminous Surface (LxW)	245mm x 146mm
	Full Light(LxWxH)	See Fig.1 & 2
Weight		5.1Kg

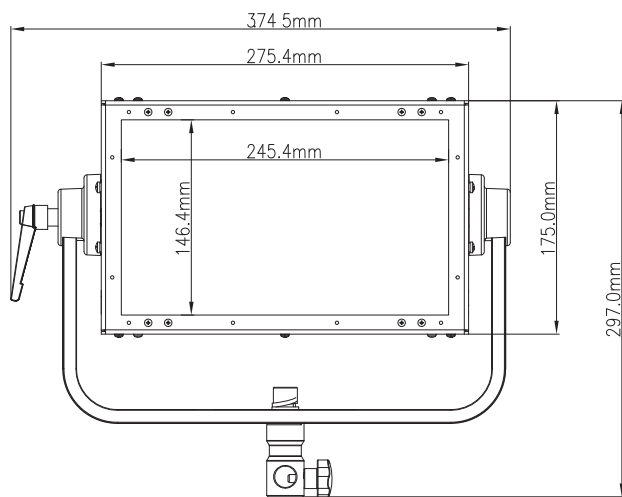


Fig.1 CL-M100C Front View

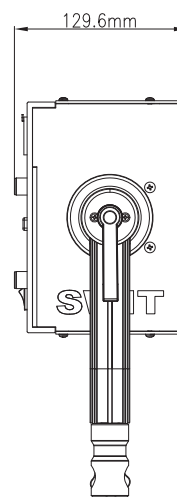


Fig.2 CL-M100C Side View

Warning

- 1.Please do not disassemble the light or touch its inner part with metal object to avoid damage;
- 2.Please do not put the light under conditions full of moisture or dust to avoid damage;
- 3.Only use the light in the temperature range of -10°C~40°C.

Maintenance

1. Please use a soft dry cloth to clean the front panel of the product, or use a soft cloth dipped in a neutral detergent solution. Wipe with a soft, dry cloth.
2. Do not use wet cloth, anhydrous alcohol, gasoline or a mixture of anhydrous alcohol and ether etc. to wipe the front LED panel.

Appearance

1. Front View:

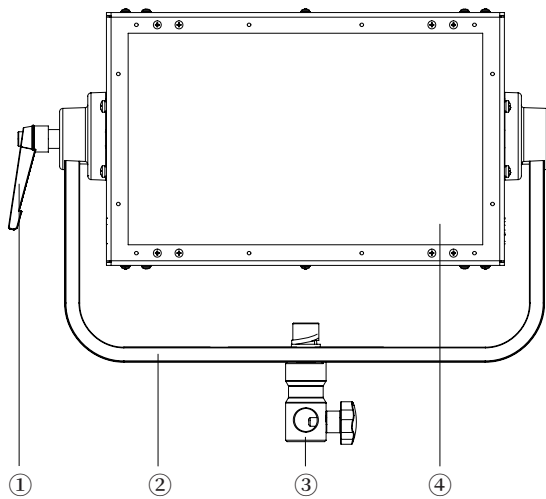


Fig.3 CL-M100C Front View

2. Back View

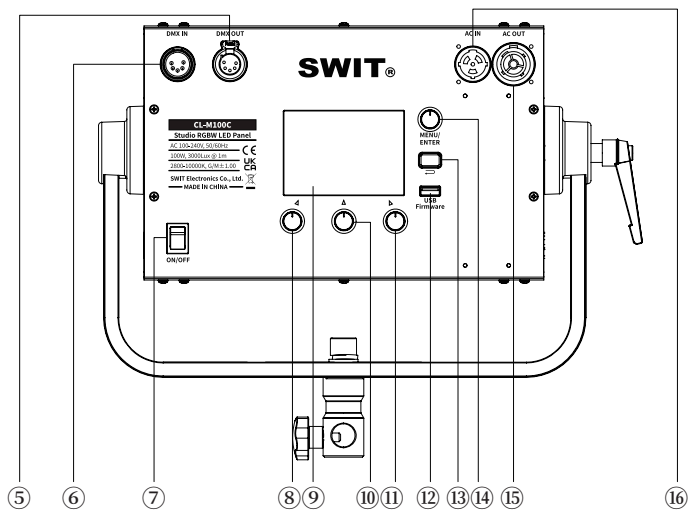


Fig.4 CL-M100C Back View

- | | | | |
|-------------------------|------------------|------------------|------------------------|
| (1) YOKE TILT LOCK KNOB | (5) DMX OUT | (9) LCD | (13) "BACK" BUTTON |
| (2) U SHAPE BRACKET | (6) DMX IN | (10) ADJUST KNOB | (14) MENU/ENTER BUTTON |
| (3) STAND ADAPTOR | (7) POWER ON/OFF | (11) ADJUST KNOB | (15) AC OUT |
| (4) DIFFUSER | (8) ADJUST KNOB | (12) USB | (16) AC IN |

Installation of safety rope

When lifting and using the lamps, please pass the safety rope (hereafter referred to as "safety rope") through the lamp wire hole and the round tube of the barn door according to the method shown in Fig. 6, so as to establish an effective connection between the product and the hanging devices such as hinges.

Precautions for use of safety rope are as follows:

- 1) If you use your own safety rope, please confirm that the load of the safety rope is greater than that of this product;
- 2) The safety rope cannot be dragged on the rough surface;
- 3) Please check carefully before using the safety rope, where the rope strand is broken or the number of broken wires in one twist distance exceeds 6, the safety rope shall not be used. Safety rope with obvious wear, corrosion, deformation and damage caused by heat or arc is not allowed to use;
- 4) The safety rope is strictly prohibited from contact with any charged body, hot object or flame;
- 5) The two safety rope buckles shall not be directly connected with each other, and D shackle in accordance with the load specifications must be added.

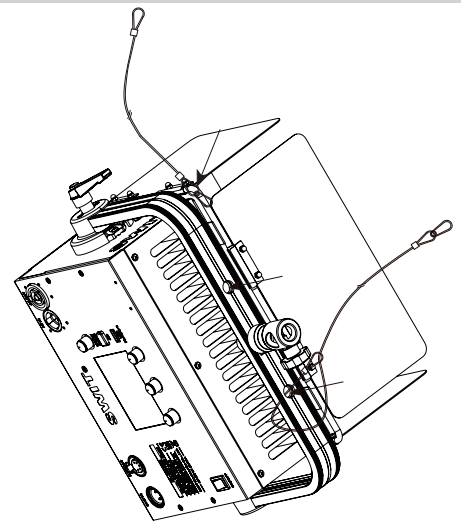


Fig.6 Installation diagram of safety rope

User control

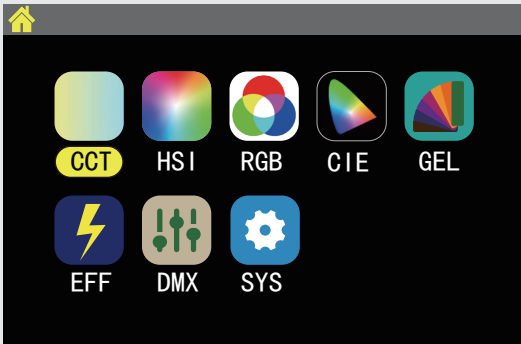


Fig.7 Main Menu

No.	Menu List	No.	Menu List
1	CCT Mode	5	GEL Mode
2	HSI Mode	6	EFF Mode
3	RGB Mode	7	DMX Mode
4	CIE Mode	8	SYSTEM

Form 1 Menu List

When the light is working:

- ▶ User can return back to Menu via " " button (Fig.4 ⑤);
- ▶ Use "ADJUST KNOB" (Fig.4 (8)/(10)/(11)) to select different mode;
- ▶ Use "MENU/ENTER" (Fig.4 (14)) to enter different mode.

1.CCT Mode

In this mode, User can adjust "CT", "G/M", "I" via "ADJUST KNOB"
Fig.4 (8)/(10)/(11)

No.	Parameter	Adjustment Step	Minimum Step
1	CT(Color Temp)	2800K-10000K	50K
2	G/M	-1.00← +0.00→+1.00	0.01
3	I(Intensity)	0%-100%	0.1%

Form.2 【CCT Mode】

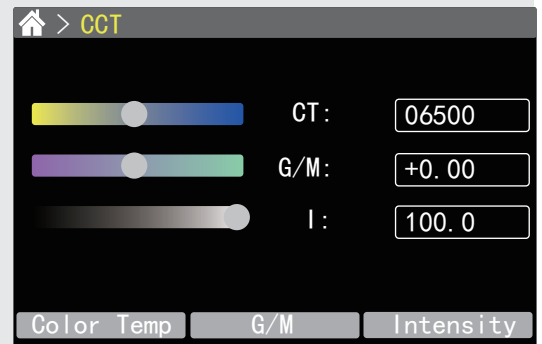


Fig.8 CCT Mode

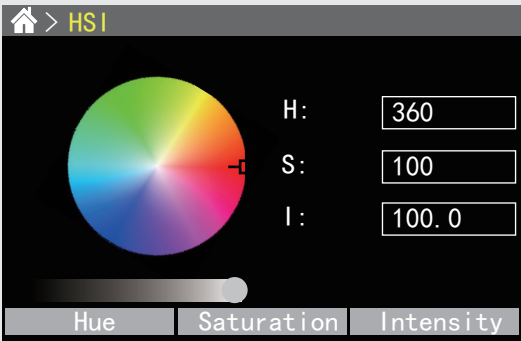


Fig.9 HSI Mode

2.HSI Mode

In this mode, User can adjust "H", "S", "I" via "ADJUST KNOB"
Fig.45 (8)/(10)/(11)

No.	Parameter	Adjustment Step	Minimum Step
1	H(Hue)	1°-360°	1°
2	S(Saturation)	0%-100%	1%
3	I(Intensity)	0%-100%	0.1%

Form.3 【HSI Mode】

3.RGB Mode

In this mode, User can adjust "R", "G", "B" via "ADJUST KNOB" Fig.4
(8)/(10)/(11)

No.	Parameter	Adjustment Step	Minimum Step
1	R(Red)	000-255	1
2	G(Green)	000-255	1
3	B(Blue)	000-255	1

Form.4 【RGB Mode】

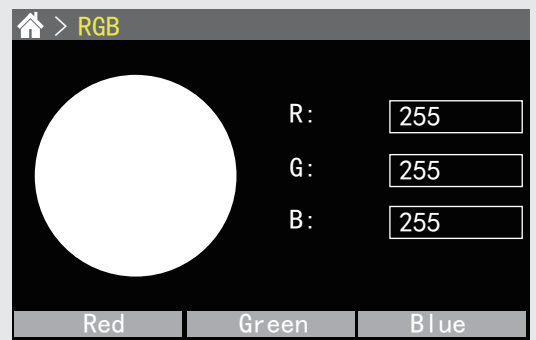


Fig.10 RGB Mode

4.CIE Mode

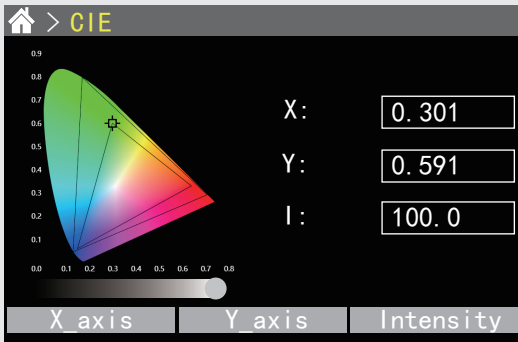


Fig.11 CIE Mode

In this mode, User can adjust "X", "Y", "I" via "ADJUST KNOB" Fig.4 (8)/(10)/(11)

No.	Parameter	Adjustment Step	Minimum Step
1	X_axis	0.131-0.708	0.001
2	Y_axis	0.046-0.797	0.001
3	I(Intensity)	0%-100%	0.1%

Form.5 【CIE Mode】

5.GEL Mode

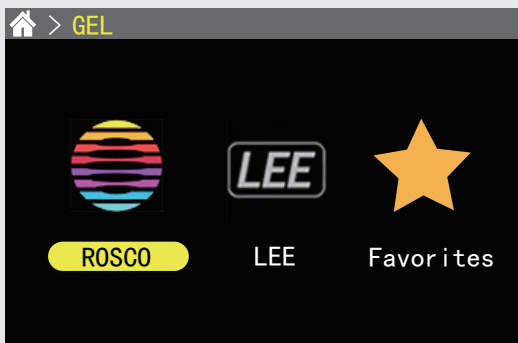


Fig.12 GEL Mode

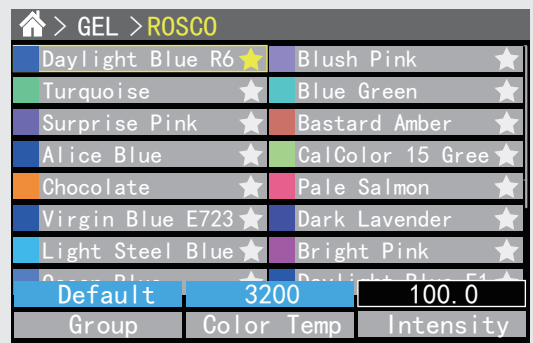


Fig.13 GEL Mode (ROSCO)

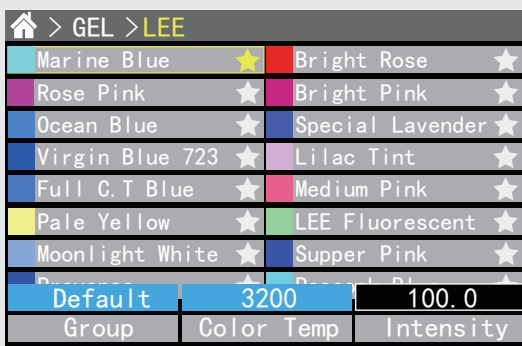


Fig.14 GEL Mode (LEE)

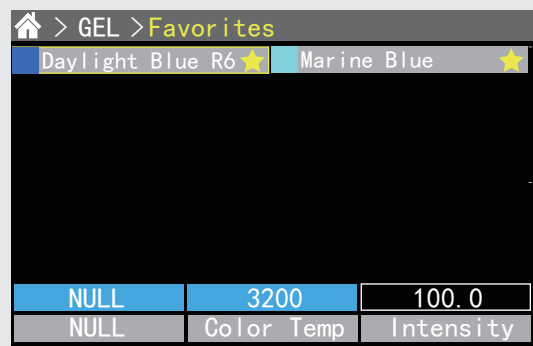


Fig.15 GEL Mode (Favourities)

User can choose different filters and adjust the "Intensity", "Color Temp" in this mode:

- 1) "MENU/ENTER"
 - ▶ Rotate: To choose different selection
 - ▶ Press: Enter into ROSCO/LEE/favourities, put the filters into your favourities.
- 2) "ADJUST KNOB": Fig.4 (8)/(10)/(11), to adjust different parameters.

No.	Selection	Adjustment
1	ROSCO	1.20 kinds of Filters 2.Color temperature:3200K/5600K 3.Intensity:0%-100%, Minimum steps:0.1%
2	LEE	1.20 kinds of Filters 2.Color temperature:3200K/5600K 3.Intensity:0%-100%, Minimum steps:0.1%
3	Favorites	1.Color temperature:3200K/5600K 2.Intensity:0%-100%, Minimum steps:0.1%

Form.6 【GEL Mode】

6.Effect Mode

User can choose from 12 kinds of effect in this mode "COPCAR", "CANDLE", "FIREWORK", "TELEVISION", "LIGHTNING", "PAPARAZZI", "PARTY", "BROKEN LIGHTS", "EXPLODE", "NEON LIGHT", "FIRE" and "COLORCYCLE".

In this mode, User can select different Effect via "MENU/ENTER" button (Fig.4 (14)), adjust "Speed", "Intensity" via "ADJUST KNOB" Fig.4 (8)/(10)/(11).

No.	Parameter	Adjustment Step	Minimum Step
1	Effect	COPCAR, FIREWORKS Etc.	/
2	Speed	1-10	1
3	Intensity	0%-100%	0.1%

Form.7 【Effect Mode】

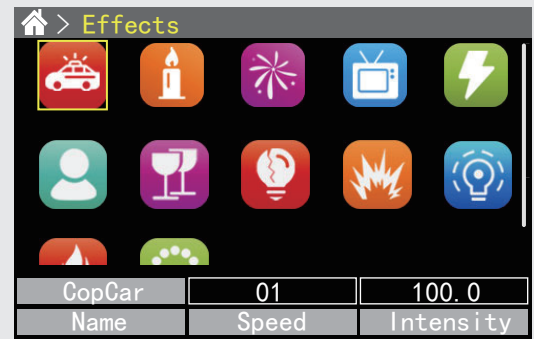


Fig.16 EFF Mode

7.DMX Mode

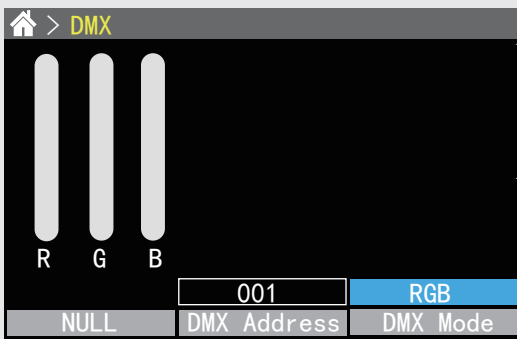


Fig.17 DMX Mode

User need to switch on DMX function in "SYS"-DMX ON/OFF, then user can adjust "DMX Address", "DMX Mode" via "ADJUST KNOB" Fig.4 (8)/(10)/(11)

No.	Parameter	Adjustment Step	Minimum Step
1	DMX Address	001-512	001
2	DMX Mode	CCT, HIS, RGB, CIE, CCT&HSI, CCT&CIE, CCT&RGB	/

Form.8 【DMX Mode】

7.1 DMX Address and DMX Mode

The DMX address and DMX Mode can be set in the following two ways:

- 1) Set in "DMX mode"(Fig.22);
- 2) Set in "SYS"- "DMX Address"/"DMX Mode".

7.2 DMX Channel Setting

DMX address adjustment range:001-512, suppose the current address is N:

No.	DMX Mode	Channel	Definition
1	CCT	N	Intensity:0%-100%
		N+1	Color Temperature:2800K-10000K
		N+2	G/M:-1.00→+1.00
2	HSI	N	Intensity:0%-100%
		N+1	Hue:1°-360°
		N+2	Saturation:0%-100%
3	RGB	N	Red:0-255
		N+1	Green:0-255
		N+2	Blue:0-255
4	CIE	N	Intensity:0%-100%
		N+1	X_axis:0.131-0.708
		N+2	Y_axis:0.046-0.797
5	CCT&HSI	N	Intensity:0%-100%
		N+1	Color Temperature:2800K-10000K
		N+2	G/M:-1.00→+1.00
		N+3	Mode Change (CCT→HSI)
		N+4	Hue:1°-360°
		N+5	Saturation:0-100%
6	CCT&CIE	N	Intensity:0%-100%
		N+1	Color Temperature:2800K-10000K
		N+2	G/M:-1.00→+1.00
		N+3	Mode Change (CCT→CIE)
		N+4	X_axis:0.131-0.708
		N+5	Y_axis:0.046-0.797
7	CCT&RGB	N	Intensity:0%-100%
		N+1	Color Temperature:2800K-10000K
		N+2	G/M:-1.00→+1.00
		N+3	Mode Change (CCT→RGB)
		N+4	Red:0-255
		N+5	Green:0-255
		N+6	Blue:0-255

Form.9 【DMX Mode】DMX

8. SYS(System)

Select【SYS】, press MENU/ENTER to enter into the sub menu:

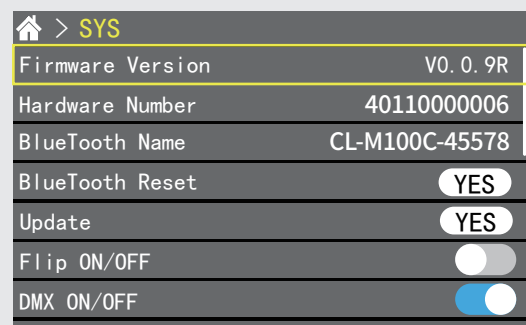


Fig.18 System

8.1 **【Firmware Version】&【Hardware Number】**

Show the information of the version of the device.

8.2 **【Bluetooth Name】**

User can rename the Bluetooth of the device via "MENU/ENTER" button.

8.3 **【Bluetooth Reset】**

In the process of using the APP to control the lamp, if the APP loses control or the target lamp cannot be found, the user can choose to try to reset the target lamp.

The bluetooth reset steps is as follows: Choose**【Bluetooth Reset】**-**【Yes】** to reset the bluetooth.

8.4 **Update**

Prepare the update firmware and U-disk (Make sure the format of U-disk is :FAT32) , connect U-disk with USB port of the light, Choose**【Update】**-**【Yes】** , after updating, reboot your light to finish the updating.

Tips: The firmware need to be saved into the root of the U-disk.

8.5 **LCD Flip**

Choose**【Flip ON/OFF】**to switch ON/OFF screen flip function.

8.6 **DMX Mode**

Choose**【DMX ON/OFF】**to switch ON/OFF DMX function.

8.7 **DMX Address**

Choose**【DMX Address】**to set DMX address from 001-512.

8.8 **DMX Mode**

Choose**【DMX ON/OFF】**to select from different DMX Mode.

8.9 **Light Curve**

Choose**【Light Curve】**to select from different Light Curve.

8.10 **Language**

Choose**【Language】**to change language to Chinese or English, reboot your light after choosing the language.

8.11 **EFF File Import**

Put the Effect files in your U-disk, choose**【EFF File Import】** , select the Effect files you want to import, choose-**【yes】** to import the Effect files.

Tips: Make sure the Effect files you saved is in the U-Disk CL-M100C

8.12 **GEL File Import**

Put the GEL files in your U-disk, choose**【GEL File Import】** , select the GEL files you want to import, choose-**【yes】** to import the GEL files.

Tips: Make sure the filters files you saved is in the U-Disk CL-M100C

8.13 **EFF File Delete**

Choose**【EFF File Delete】** , select the Effect files you want to delete, choose**【Yes】** to delete the Effect files.

8.14 **GEL File Delete**

Choose**【GEL File Delete】** , select the GEL files you want to delete, choose**【Yes】** to delete the GEL files.

8.15 **All Files Import**

User can Import all Effect files and GEL files from the U-disk via this function:

Choose**【All Files Import】**-**【Yes】** to import all Effect and GEL files from your U-disk to the light.

8.16 **System Reset**

User can do factory reset to reset Bluetooth and Userdata.

8.17 **Factory Menu**

Not available to users.

APP

1. APP name and download

1) Name: SWIT Console

2) Download

Android: Scan QR to Install(Fig.19);

IOS: Apple Store



Fig.19 APP

Packing list

No.	Content	Quantities
1	CL-M100C	x 1
2	AC Power Cable	x 1
3	Safety Rope	x 2
4	AC Loop out Cable	Optional