

# SmallRig

**EN** User manual

**CN** 用户手册

**DE** Bedienungsanleitung

**FR** Manuel d'utilisation

**IT** Manuale dell'utente

**ES** Manual del usuario

**PT** Manual do usuário

**NL** Gebruiksaanwijzing

**SE** Gebruikershandleiding

**KR** 운영 지침



**Model / 型号: RC 60C**

HVIN:RC 60C

## RGB LED Video Light

[ with Powerbank Clamp Edition / Lite Edition ]

RGB 摄影补光灯 (续航版 / 青春版)

## Important Reminder

Thank you for choosing SmallRig products.

1. Please read the user manual carefully before using this product.
2. Please pay attention to all warnings and follow all instructions in the user manual.
3. For children, please use it under adult guidance.
4. Please remove the protective cover of the COB lamp bead before use.
5. After the light is used, the COB and panel , the top and bottom are high temperature areas. Before cooling the device, avoid high temperature areas. For your safety and health, Do not block the heat dissipation hole when using the device, and do not look directly at the device for a long time when it is working.
6. Ensure that the equipment is completely cooled before storage . After the device has cooled, place in the appropriate position of the storage bag.
7. In order to ensure the normal operation of the equipment, it is recommended to store it in a cool, dry and clean environment. Do not store the device near damp, liquid, or other flammable or volatile solvents. Avoid damaging the equipment.
8. If you need to clean the surface of the device, use a dry soft cloth . Before cleaning and servicing, be sure to unplug the power adapter and cable.
9. To reduce the risk of electric shock, do not immerse the device in water or other liquids.
10. In order to reduce the risk of electric shock, do not disassemble the device without permission. If the device fails and needs maintenance, please consult the relevant purchase channels and be handled by professional maintenance personnel. Non-standard assembly and maintenance may have security risks, unauthorized disassembly is prohibited.
11. Use of accessories not recommended by SmallRig may cause hazards such as fire or electric shock. Please refer to the accessories or according to the specifications provided by SmallRig, and used accessories certified by qualified manufacturer.



Do not disassemble the product. If you suspect any problem with the product, please contact the purchasing channel and apply for after-sales service.

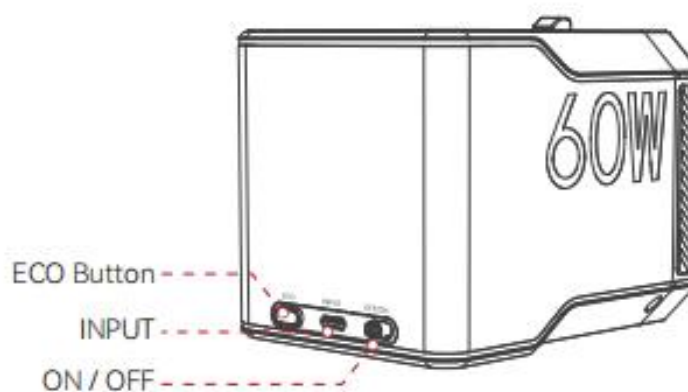
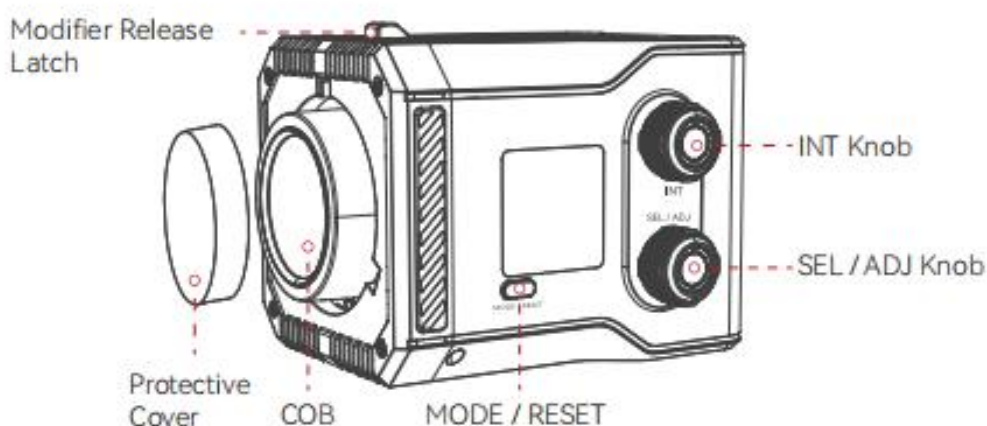
## In the Box (4808 Lite Edition)

RC 60C RGB LED Video Light	× 1	User Manual	× 1
mini Reflector	× 1	Protective Cover	× 1
3-meter USB-C to USB-C PD Charging Cable	× 1		

## In the Box (4810 with Powerbank Clamp Edition)

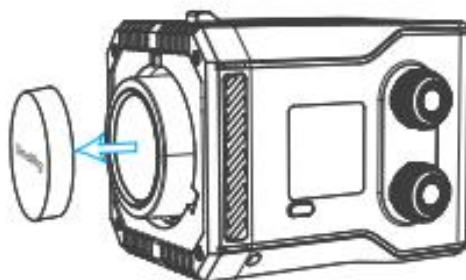
RC 60C RGB LED Video Light	× 1	User Manual	× 1
mini Reflector	× 1	Protective Cover	× 1
Light Stand Adaptor	× 1	Carrying Bag	× 1
Powerbank Clamp	× 1	Handle	× 1
20cm C to C USB PD Charging Cable	× 1		
3-meter USB-C to USB-C PD Charging Cable	× 1		

## Product Introduction

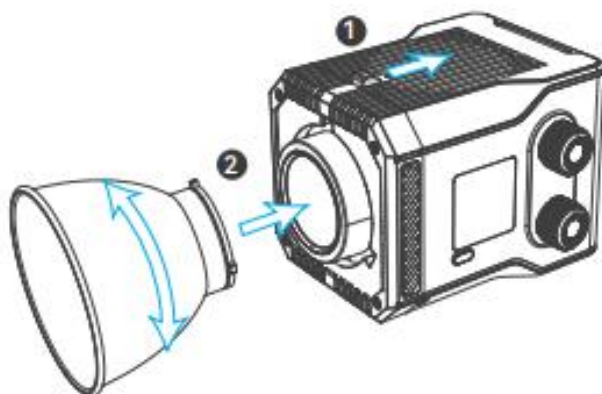


## Installations

1. Remove or insert Silicone Cover: Follow the arrows to remove / insert the silicone cover.



2. Installation and Removal for Mini-Mount Modifiers: Take mini reflector as an example. Align the mini-mount reflector with the mini-mount port on the front cover of the light. Rotate counter-clockwise to install. Push the Mini modifiers Release Button and rotate the mini reflector clockwise to remove.



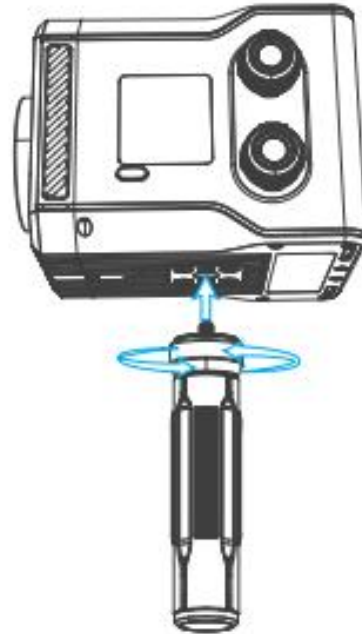
3. Mounting the Light to a Light Stand: First, connect the light stand adaptor to the RC 60C using the 1/4" threaded hole on the bottom. Then, install the light stand adaptor onto the light stand and adjust the angle of the RC 60C. Finally, tighten the tilt lock on the light stand adaptor to secure it.



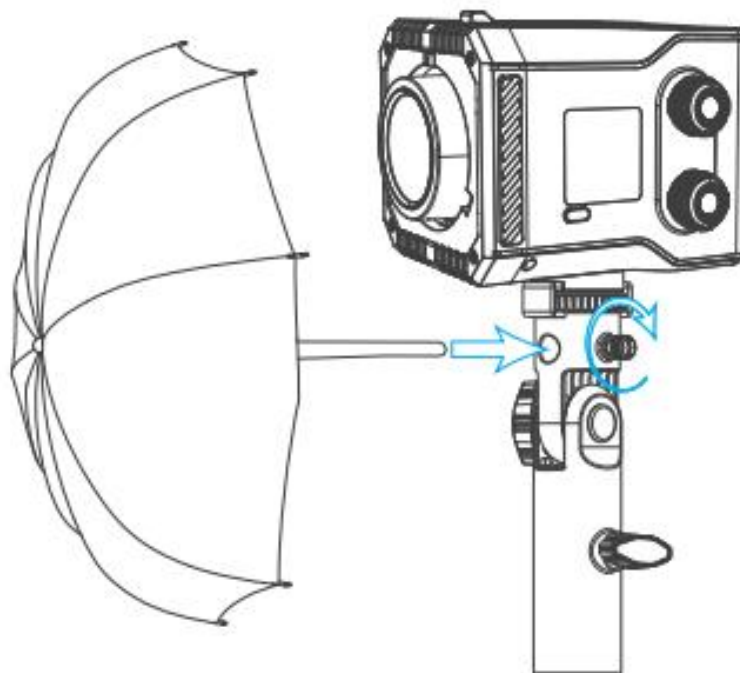


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4. **Mounting the Light to a Grip Handle:**  
Rotate the handle clockwise onto the RC 60C via the 1/4" threaded hole on the bottom of the RC 60C.



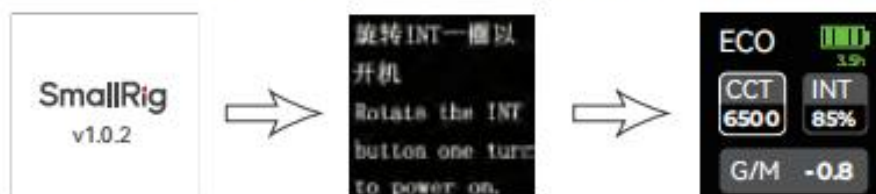
5. **Photographic Lighting Umbrellas Installation:** Insert the handle of the photographic lighting umbrellas into the umbrella hole of the light stand adaptor and tighten the knob on the side to secure it.



6. **Creative Installation Methods:** The RC 60C can be flexibly connected to accessories such as a magic arm or clamp via the 1/4" treaded hole to achieve lighting setups in places where it is inconvenient to use a light stand.

## Operations

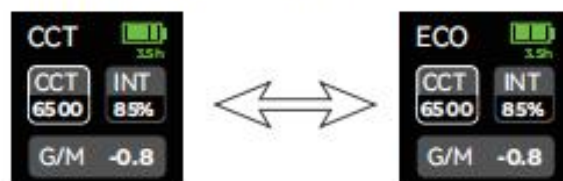
1. ON/OFF: Turn on the light and rotate the INT knob one turn within 3S (if it does not reach one turn within 3S, rotate it again) to enter the main screen:



2. CCT / HSI / FX / GEL / RGBCW switch: Short press "MODE/RESET".



3. ECO Mode: Press the "ECO" button for 2S to switch between ECO and normal. In ECO mode, the RC 60C power output will be limited to 60%, allowing for extending dash time up to 75minutes.



## Detailed operation

### 1. CCT Mode

#### (1) INT adjustment:

Slow-rotate the "INT" knob, The INT is adjusted with  $\pm 1\%$  as the variable; Rapid-rotate the "INT" knob, The INT is adjusted with  $\pm 10\%$  as the variable; Press the "INT" knob, the INT varies from 20% / 40% / 60% / 80% and 100%.

Notice: INT is controlled separately at all modes.

#### (2) CCT and G/M:

Press "SEL / ADJ" to switch between CCT and G/M, Slow-rotate the "SEL / ADJ", The CCT is adjusted with  $\pm 100K$  as the variable; Rapid-rotate knob, The CCT is adjusted with  $\pm 1000K$  as the variable; The CCT ranges 2500K to 10000K. At G/M, rotate the "SEL / ADJ", G/M is adjusted with 0.1 as the variable and ranges -1 to 1.

## 2. HSI Mode

### (1) HUE / SAT:

Press the "SEL / ADJ" to switch between HUE and SAT. Rotate the knob to adjust the numbers. HUE ranges 0° - 360° and SAT ranges 0 - 100%.

## 3. FX Mode

### (1) FX/CCT/FRQ:

Press "SEL / ADJ" to switch from FX, CCT and FRQ. Rotate the knob to adjust the FX and CCT. 11 kinds of FX as follows:

Paparazzi	Television	Falty bulb	Lightning	Breathing	Flickering
					

Party	Flame	Fireworks	Police Car	CCT Cycle	Color Cycle
					

### (2) FRQ adjustment:

Rotate the "SEL / ADJ", "FRQ" is adjusted with  $\pm 1$  as the variable and ranges 1 to 10.

## 4. GEL Mode

### (1) LEE / ROSCO

Press the "SEL / ADJ" knob to switch LEE and ROSCO. Rotate the knob to choose the gel LEE (Full CTQ, 1/2 CTQ, 1/4 CTQ, 1/8 CTQ, Full CTS, 1/2 CTS, 1/4 CTS, 1/8 CTS)

8 kinds of gels.

ROSCO (Full CTB, 1/2 CTB, 1/4 CTB, 1/8 CTB, Full CTQ, 1/2 CTQ, 1/4 CTQ, 1/8 CTQ)

8 kinds of gels.

## 5. RGBCW Mode

Press the "SEL / ADJ" to switch R/G/B/C/W. Rotate to change the numbers. R/G/B ranges 0~255 and C/W ranges 0~100.

## Charging and maintenance

The charging protocols supported are as follows:

PD3.0: 5V / 3A, 9V / 3A, 12V / 3A, 15V / 3A, 20V / 5A,

QC2.0 / AFC / FCP : 5V / 3A, 9V / 2A, 12V / 1.5A

APPLE-2.4A: 5V / 2.4A

### 1. Charging when powering on

Connected the charger and RC 60C with a C-C USB PD charging cable. The screen will display "DC in XXw"(XX indicates the rated power output of the adapter).



### 2. Charging when powering off



### 3. Battery display functions

When the battery is discharging, the remaining usage time is displayed below the battery icon.

Battery level display is as follows:

0-2%	3-25%	26-50%	51-75%	76-100%



Please charge! And the gear will be turned off in 5 seconds.



### 4. Overheating Protection Function

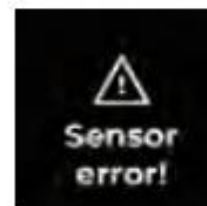
When the battery temperature reaches 62°C / 63°C / 64°C, the output will be reduced to 80% / 65% / 50%. If the battery temperature exceeds 65°C, the light will automatically shut down and display "Overheat" as a warning. When the temperature of the COB reaches 100°C, the output power will be reduced to 70%.





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If the screen displays "Sensor error", it indicates that the thermistor on the light has failed. The light will stop running. Please contact the dealer from whom you purchased the light for after-sales service.



The reduction in output power will be indicated on the screen, with the actual percentage of output power displayed at the centre of the image.

## Firmware upgrade

1. Long press "MODE/RESET" to reset the BLE. The BLE icon will blink six times, turn on the BLE of the mobile phone, open the SmallGoGo app to connect with the light.
2. When the firmware needs to be upgraded, connect to the SmallGoGo app wirelessly, The upgrade progress is displayed.



Firmware upgrade  
sucessfully

## Specifications

Power Consumption	63W
Cooling Mode	Active Cooling
CCT Range	2500K - 10000K
Charging power / current	48W / 3A
Battery parameters	14.6V / 3400mAh / 49.64Wh
Dash time	45 minutes in full power and 75 minutes in ECO mode
Fan noise	26dB in full power and 23dB in ECO mode
Dimensions	120.0 × 95.0 × 80.0mm / 4.7 × 3.7 × 3.1in
Weight	700.0 ± 10.0g / 24.7 ± 0.4oz

## Brightness test data table

CCT	Distance	INT
3200K	1m	2030Lux
5600K	1m	2350Lux
6900K	1m	2430Lux
R	1m	257Lux
G	1m	1120Lux
B	1m	266Lux

\* The brightness data is average data, and the brightness of different lights will vary.

**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**FCC Radiation Exposure Statement:**

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with **minimum distance 20cm** between the radiator and your body.



## ISED Statement

- English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.