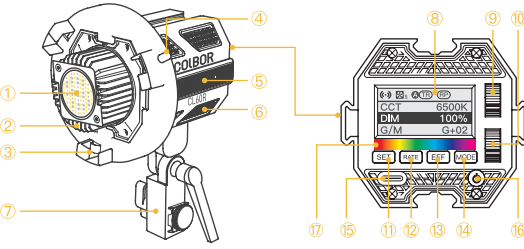


Thank you for choosing COLBOR product. Please read this manual carefully before use and follow all instructions mentioned herein.

Safety Instructions

- Please read and fully understand this manual before using the product.
- Please remove the COB protective film to avoid damage by overheat before first use.
- Please remove the COB protective cover to avoid damage by overheat before every use.
- Do not use the product under moist environment or with wet hands. Do not allow the product to be splashed or soaked in water.
- Keep the product away from corrosive chemicals and liquid to avoid damage.
- Keep the product out of children's reach during use. Do not leave the product unattended.
- When the product is working, the COB and heat sink will produce high temperature. Do not block, turn upside down and touch with hands.
- To ensure the service life, the cooling system still runs for a while after shutdown until the COB is below 45°C .
- Please disconnect the power supply and put away the power cord when it is not in use.
- During use, arrange the power cord in order to avoid tripping and cutting off the power or damaging the product.
- Let the product cool completely before storage. Remove the power cable from the product and put it in the corresponding position of carrying bag after cooling down.
- Do not disassemble the product by yourself, otherwise the warranty will be invalid. If any fault occurs, please refer it to an authorized technician for inspection or maintenance.
- Recommend to use the original parts of COLBOR. If the product is damaged due to the use of the non-original parts, it is not included in the warranty of our products.
- Drop or external impact may cause product failure. Artificial damage is not covered by warranty.
- COLBOR reserves the right of final interpretation of the products. The product design and specifications are subject to change without notice.

Product Instructions



- | | |
|---------------------------------|--|
| ① COB Bead | ⑩ Down Control Wheel |
| ② Bead Radiator (Air Outlet) | ⑪ Setting (SET) Button |
| ③ Bowen Mount Adapter (BAR1) | ⑫ Light Effect Frequency (RATE) Button |
| ④ Ejector Pin | ⑬ Light Effect Mode (EFF) Button |
| ⑤ Rail | ⑭ Light Mode (MODE) Button |
| ⑥ Air Vent (Air Intake) | ⑮ Type-C Power Input |
| ⑦ Quick-mount Holder (EC Stand) | ⑯ Power Button |
| ⑧ LCD Display Screen | ⑰ Color Indicator bar |
| ⑨ Up Control Wheel | |

Installation & Disassembly

1. Remove COB protective cover

Hold the COB protective cover and pull it out as the arrow shows.

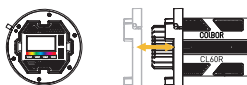
★ Note: Make sure remove the cover before every use to avoid heat damage.



2. Install adapter and reflector

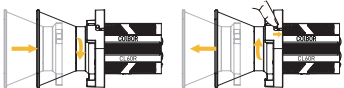
① Align the inner frame of adapter ring with the outer frame of light, and push the adapter ring into the light from the head. Fasten two marbles on the adapter ring to the chute.

When disassembling, push the adapter ring towards the head of the light.



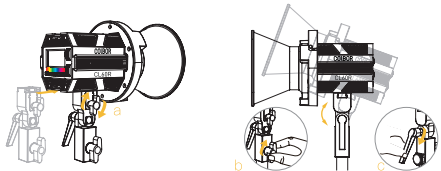
② Align the reflector with the adapter ring and insert it. The ejector pin is pinched by reflector. Rotate the reflector tightly clockwise and the ejector pin springs back.

When disassembling, push the ejector pin and rotate the reflector anticlockwise.



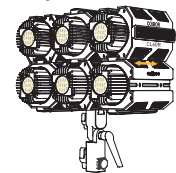
3. Fixing of the video light

- ① Slide the quick-mount holder into the chute under the light and rotate the knob a tightly.
- ② Install tripod into the quick-mount holder and rotate the knob b tightly.
- ③ Adjust the light to the desired angle and rotate the knob c tightly.



4. Multi-light connection & disassembly

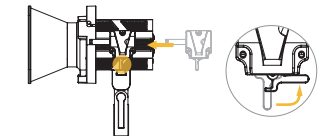
Slide the rail of one light into the chute of the other until the pins inlay. When disconnecting, slide the light out of the chute.



5. Install VM2

Slide VM2 into the chute of light, determine the fixed position and adjust the level to lock.

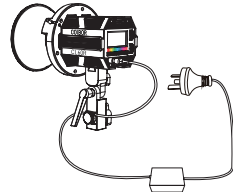
When removing, adjust the level to unlock and slide out of the light.



6. Power supply

(1) Fixing power cables

Screw the power cable fixing clip, put the cable into the groove, and then align the bracket with the tightening screw.

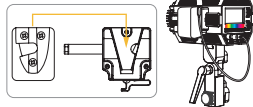


(2) DC power supply

Connect power adapter with Type-C power input and turn on.

(3) Battery power supply

Turn on power after installing V-mount and battery.

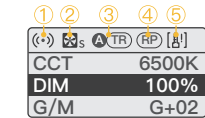


★ Power adapter (PA90) and V-port battery power cable (VC50) are only for powering CL60, CL60M and CL60R, not for other electronic devices. If any damage caused by the wrong use, it is not within our warranty.

Operation Instructions

1. Before using the product for the first time, please be sure to tear off the protective film in front of the COB bead.
2. Power On: connect the power cord with the power adapter, plug the connector of adapter into the fixture's power input, then attach to an electricity supply.
3. Function: long press the power button, then the power button lights up. The product enters operation interface.
4. Power Off: press the power button.

Status Icon Description

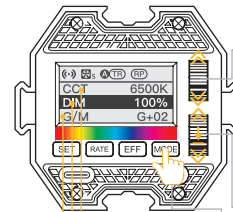


① APP Connection Status Icon

- (••) (•••) After selecting wireless connection in Settings menu, the icon will be displayed dynamically.

(••)	The icon is always on to indicate successful pairing with mobile APP. The icon disappears to indicate mobile APP pairing failure, or the product is unpaired.
② Fan Status Icon	
🌀s	Smart Mode. The product will adjust the fan speed according to the internal detected temperature to ensure that it is in optimal working condition.
🌀o	Quiet Mode. The fan keeps running at low speed for minimum noise, and overheating protection will be activated if the product temperature is higher than the alarm value.
③ Group Status Icon	
NULL	None grouping status. The product defaults to the factory status, and will not be affected by other groups.
A T	A stands for Group A. There are 15 groups (A-O). T stands for Tx.
A R	A stands for Group A. There are 15 groups (A-O). R stands for Rx.
A TR	A stands for Group A. There are 15 groups (A-O). TR stands for TxRx.
④ Repeater Status Icon	
RP	If the icon is always on, it means that Repeater function is turned on, and if the icon disappears, it means the function is turned off.
⑤ Product Overheated Alarm Icon	
[A!]	If the icon flashes, it means that the internal temperature of the product is too high, and cooling measures need to be taken. If the icon disappears, it means that the operation is normal.

CCT Mode (Short press CCT Mode Button to enter)



Up Control Wheel

🌀 Roll the wheel upwards or downwards to select the 3 options for CCT mode.

“CCT-Dim-G/M”

Down Control Wheel

🌀 Roll the wheel upwards or downwards to adjust the current options.

CCT: 1000K-10000K

DIM: 0%-100%

G/M: G10-G1 → 0 → M1-M10

Press down the wheel to set the shortcut parameters for the current option.

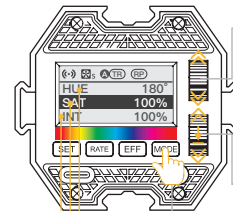
CCT: 2700K / 3200K / 4300K / 5600K / 6500K

DIM: 0% / 25% / 50% / 75% / 100%

G/M: Short press to zero (G for green, M for magenta)

★ When adjusting parameters, the screen will enlarge the value of the current setting parameters, and it will automatically return to the main screen after 1.5 seconds without any operation.

HSI MODE (Short press MODE button to switch CCT/HSI MODE)



Up Control Wheel

🌀 Roll the wheel upwards or downwards to select the three options for HSI mode.

“Hue-SAT-INT”

Down Control Wheel

🌀 Roll the wheel upwards or downwards to adjust the current options.

HUE range: 0° ~359°

SAT range: 0%~100%

INT range: 0%~100%

Press down the wheel to set the shortcut parameters for the current option.

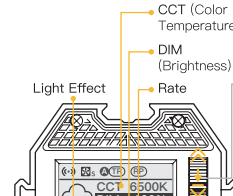
Hue: 0° / 60° / 120° / 180° / 240° / 300°

SAT: 0% / 25% / 50% / 75% / 100%

INT: 0% / 25% / 50% / 75% / 100%

★ When adjusting parameters, the screen will enlarge the value of the current setting parameters, and it will automatically return to the main screen after 1.5 seconds without any operation.

EFF-CCT mode (Short press the EFF mode button to enter EFF mode and default EFF-CCT)



Up Control Wheel

🌀 Roll the wheel upwards or downwards to select the two options for CCT mode.

“CCT-DIM”

Press to switch EFF-CCTmode

CCT ↔ HSI

Down Control Wheel

🌀 Roll the wheel upwards or downwards to adjust the current options.

CCT: 1000K-10000K

DIM: 0%-100%

Press down the wheel to set the shortcut parameters for the current option.

CCT: 2700K, 3200K, 4000K, 5600K, 6500K

DIM: 0%/25%/50%/75%/100%

Light Effect Frequency (RATE) Button

Press to switch the effect effect, Lv.1~Lv.5+ RANDOM. The value of frequency varies according to different special effects. Some are color, some are speed, and some are strength.

Light Effect Mode (EFF) Button

Press to switch light effect: Fire → Spark → CCT Chase → Pulsing → Beacon → TV → Party → Explosion → Faulty Bulb → SOS.

EFF-HSI mode (short press the EFF mode button, short press the up wheel to switch the EFF-HSI mode)

Up Control Wheel

Roll the wheel upwards or downwards to select the two options for HSI mode.

“HUE-SAT-INT”

Press to switch EFF-HSI mode

HSI ⇌ CCT

Down Control Wheel

Roll the wheel upwards or downwards to adjust the current options.

Hue range: 0° ~359°

Saturation range: 0%~100%

Intensity range: 0%~100%

Press to switch EFF-HSI mode.

Hue: 0° / 60° / 120° / 180° / 240° / 300°

Saturation: 0% / 25% / 50% / 75% / 100%

Intensity: 0%/25%/50%/75%/100%

Light Effect Frequency (RATE) Button

Short press to switch the effect rate, Lv.1~Lv.5+ RANDOM. The value of frequency varies according to different special effects. Some are color, some are speed, and some are strength.

Light Effect Mode (EFF) Button

Press to switch light effect: Fire → Spark → CCT Chase → Pulsing → Beacon → TV → Party → Explosion → Faulty Bulb → Welding → Strobe → Lightning → SOS.

EFF	Fire	CCT Mode	CCT: 1000K~10000K DIM: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5
	Spark	CCT Mode	CCT: 1000K~10000K+RANDOM Dim: 0%~100%+RANDOM Rate: Lv1~5+RANDOM
		HSI Mode	Hue: 0° ~359° +RANDOM SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lv1~5+RANDOM

EFF	CCT Chase	CCT Mode	CCT: Lock Dim: 0%~100%+RANDOM Rate: Lv1~5
		HSI Mode	Hue: Lock SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lv1~5
	Pulsing	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5
	Beacon	CCT Mode	Type: Red and white, blue and white, red and blue Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° +RANDOM SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lv1~5+RANDOM
	TV	CCT Mode	CCT: 1000K~10000K+RANDOM Dim: 0%~100%+RANDOM Rate: Lv1~5+RANDOM
		HSI Mode	Hue: 0° ~359° +RANDOM SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lv1~5+RANDOM
	Party	CCT Mode	CCT: 1000K~10000K+RANDOM Dim: 0%~100%+RANDOM Rate: Lock
		HSI Mode	Hue: 0° ~359° +RANDOM SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lock
	Explosion	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5
EFF	Faulty Bulb	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5
	Welding	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5

EFF	Strobe	CCT Mode	CCT: 1000K~10000K+RANDOM Dim: 0%~100%+RANDOM Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° +RANDOM SAT: 0%~100%+RANDOM INT: 0%~100%+RANDOM Rate: Lv1~5
EFF	Lightning	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lv1~5
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lv1~5
EFF	SOS	CCT Mode	CCT: 1000K~10000K Dim: 0%~100% Rate: Lock
		HSI Mode	Hue: 0° ~359° SAT: 0%~100% INT: 0%~100% Rate: Lock

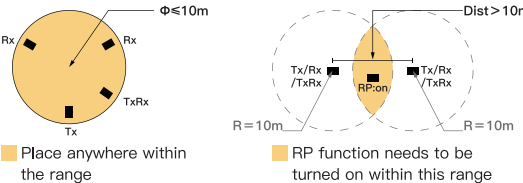
Settings

- Short press Settings Button to enter settings menu.
- Roll the Brightness Control Wheel to choose setting.
- Roll the Color Temperature Control Wheel to adjust corresponding setting (Wireless connection adjust need short press).

	Settings	Options
BT	Wireless Connection	RESET
	Fan Mode	SMART/ QUIET (SMART—The product will detect the current internal temperature to adjust the fan speed by itself. QUIET—The fan will run at low speed. If the product temperature reaches the alarm value, it will start the power-off protection mechanism.)
GROUP	Group	NULL/ A~O (NULL by default)
	Communication	TX/ RX/ TXRX (TXRX by default)
RP	Repeater	ON/ OFF (OFF by default)
	Curve	LINEAR (L.CURVE, E.CURVE, S.CURVE will be available soon through upgrade.)

RESP.	Response	SHARP / SMOOTH (SMOOTH by default)
	Initial brightness	0%~100% / Default
LANG.	Language	EN/ CN
	Product INFO.	Short press the Color Temperature Control Wheel to enter the production information interface. Long press the Color Temperature Control Wheel to settings menu. ① Hardware Version ② Firmware Version ③ Protocol Version ④ MAC Address

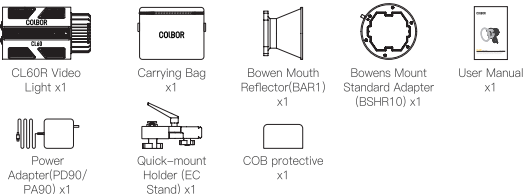
- When Group function is on, if the product is operated after a period of time, it takes time to connect between products, so there will be millisecond delay.
- The effective distance of transmitter(TX), receiver (RX), transmitter & receiver (TXRX) is 10 meters.
- Repeater (RP) function is the auxiliary function to enhance the signal of light control and the effective distance of light control. However, too many uses of RP function can affect product response time due to environmental factors.
- If the distance between lights in a group is more than 10 meter, it is recommended to set a light in the middle as a signal RP point to increase the control distance. In addition, in the state of multi-light connection, the response of the product can be effectively improved when the RP function of one light is turned on if connected lights are more than five, the RP function of two lights are turned on if there are more than ten, and so on.
- Restore factory settings: long press two wheels together for 5 seconds and the product reboots to restore the factory default mode.



Specifications

Color Rendering Index	97+
Beam Angle	≈ ∠ 120° Reflector ≈ ∠ 15°
Lighting Range	Full Color
Color Temperature Range	2700K~6500K(±200)
Illumination	See the Form Below
COB Output Power	> 60W
Rated Power	80W (Max Power)
Light Working Voltage	DC 20V 4A
Cooling Mode	SMART/QUIET
Connector	Type-C, supports PD3.0 20V 4A
Body Material	Aluminum Alloy+ABS
Light Dimension (mm)	140*80*90 (Light Base Not Included)
Weight	Light: 600g Light Base: 160g
Operating Environment Temperature	-10~50°C

Packaging List



- The power adapter will vary according to different regions.

About Product

- After the test, the product with assembly structure has bearing capacity of 4kg. Customers need to use according to actual conditions.
- It is recommended to use the original power adapter for power supply. The malfunction will not be included in the warranty if use other equipment to power the product.
- When more than five lights are assembled into a light matrix, turning on the RP function in one of them to provide better control stability. If the number of lights reaches 10, enable the RP function for two of them, and so on.

More functions of COLBOR



<https://www.colborlight.com/pages/colbor-apps-download>

Scan the above QR code to the webpage and download the relevant apps, so that you can be benefit with more functions such as remote light control and firmware upgrade.

WARRANTY

Warranty Period

Thank you for purchasing COLBOR products.

- Customers are entitled to free replacement or repair service in case of quality defect(s) found in the product under normal use within 30 days upon receipt of the product.
- Original COLBOR products are entitled to 12-month limited warranty service. The warranty period begins on the date of purchase of brand new, unused products by the first end-user.

Within the warranty period, if product defect or failure is attributable to material defect or technological problem, the defective product or defective part will be repaired or replaced without charge (service and materials fee).

Warranty Exclusions and Limitations

- Faults resulted from inappropriate use of a product without following its operation specification
- Artificial damage, e.g. crash, squeeze, scratch, soaking, exposing to rain or damp
- Modifications to a product by its user or a third party without prior written consent of COLBOR, e.g. replacement of element or circuit, label alteration
- The code on product is inconsistent with that of warranty certificate, or the code on the product or warranty certificate is altered or torn off
- All consumable accessory attached to a product, like cable, cover
- Faults as a result of force majeure, such as fire, flood, lightning, etc.

Warranty Claim Procedure

- If failure or any problem occurs to your product after purchase, please contact a local agent for assistance, or you can always contact COLBOR's customer service through email.
- Please retain your sales receipt and warranty certificate as proof of purchase. If any of these documents is missing, only sales return or chargeable service will be provided.
- If the COLBOR product is out of the warranty coverage, the service and the parts cost will be charged.

Form 1

Illumination					
CCT			0.5m	1m	3m
2700K	Light Base	LUX	5336	1415	248
		FC	496	131	23
	Reflector	LUX	53015	17135	1944
		FC	4934	1599	181
3200K	Light Base	LUX	6038	1587	268
		FC	561	147	25
	Reflector	LUX	60375	19550	2128
		FC	5612	1817	198
4300K	Light Base	LUX	7418	1886	322
		FC	689	176	30
	Reflector	LUX	71300	22195	2438
		FC	6624	2070	227
5600K	Light Base	LUX	7993	2082	345
		FC	743	193	32
	Reflector	LUX	75900	22655	2461
		FC	7050	2105	229
6500K	Light Base	LUX	8390	2217	361
		FC	781	205	33
	Reflector	LUX	79084	22974	2477
		FC	7344	2129	230
R	Light Base	LUX	1541	442	83
		FC	144	41	8
	Reflector	LUX	8556	1530	200
		FC	796	141	19
G	Light Base	LUX	4393	1150	194
		FC	408	107	18
	Reflector	LUX	23345	4336	443
		FC	2174	403	41
B	Light Base	LUX	788	223	47
		FC	73	21	4
	Reflector	LUX	4658	1010	117
		FC	432	94	11

★ The data is given from testing in a laboratory.

WARRANTY CERTIFICATE	
Please register your warranty. Meanwhile, you are welcomed to contact us via Email.	
USER INFORMATION	Customer Name:
	Phone Number:
	Email:
	Address:
SALES INFORMATION	Sales Date:
	Model:
	Product Code:
	Dealer:
REPAIR RECORD	Service Date:
	Technician:
	Issue:

RESULT ☐ Solved ☐ Unsolved ☐ Returned(Replaced)

Guangzhou Zhiying Technology Co., Ltd

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