



S60Bi

Bi-Color Focusing LED Light

It's all possible with
CLAR Wireless LED.



Foreword

Thank you for purchasing CLAR product!

Bi-Color Focusing LED Light S60Bi is a professional video light. It has stable light resource ,high brightness ,ultra high color rendering index, and adjustable focus range from 6° to 55°, which make it quite suitable for commercial shooting, studio shooting, portrait shooting and interview.

Main Features

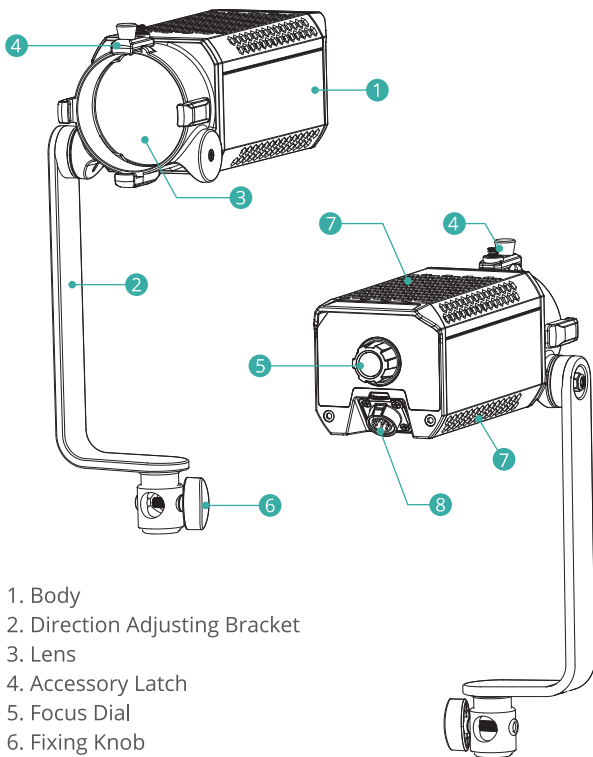
- With specially designed lens to gain soft and even light effect from center to edge.
- Adjustable focusing range and light brightness enable you to observe the variation of shadow's hardness, dimension and edge contrast.
- Precisely control the light and achieve more creative light effects when use in combination with abundant accessories.
- Compact design offers great convenience, portability and wide application.
- 2.4G, Bluetooth wireless transmission and DMX functions.
- Mute mode with no disturbance.
- Separate design of light body and controller to achieve better cooling effect.
- Stepless adjustments for CCT from 2800K to 6500K and brightness from 0 to 100%.

Warnings

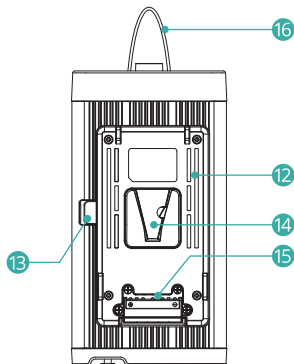
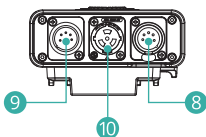
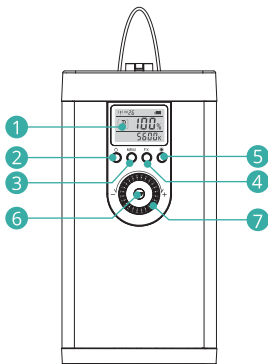
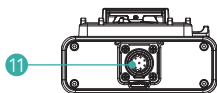
- Do not disassemble or modify. Should the product break down, send the defective back to the authorized service center for inspection and maintenance.
- If this product overheats, it will cease operation and resume working after cooling down. This is due to the built-in over-temperature protection.
- As this product adopts make and break device, please keep it easy to be used.
- Keep dry. Do not handle with wet hands, immerse in water, or expose to rain.
- Do not place in high temperature or high humidity conditions.
- Keep out of reach of children.
- Disconnect from the power supply when it will not be used for an extended period.
- Do not fire the flash directly into the eyes. Otherwise visual impairment may occur.
- Please read and keep this instruction manual carefully for future instruction.

CLAR S60 Nomenclature

- S60 Lamp



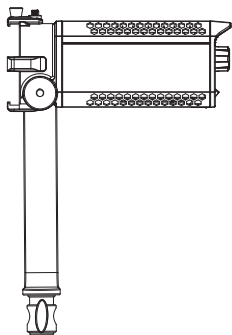
• Controller



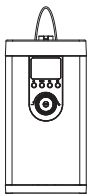
1. Display
2. Power Switch
3. MENU Button
4. FX Button
5. Fan Switch
6. SET Button
7. Select Dial

8. DMX Output Port (male)
9. DMX Output Port (female)
10. AC Input Port
11. DC Output Port
12. Battery Clip
13. Battery Release Button
14. Battery Compartment
15. Battery Base
16. Steel Cable

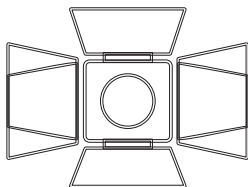
Included Items



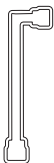
Light Body



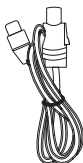
Controller



Barndoor Set



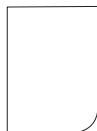
Wrench



Connect Cable



Power Cable



Instruction
Manual

Optional Accessory

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects.



SA-P
Projection Attachment
(included a **SA-01** 85mm Lens)



SA-01
85mm Lens



SA-02
60mm Wide-angle
Lens



SA-03
150mm Telephoto
Lens



SA-05
Scrim Set



SA-06
Iris Diaphragm



SA-07
Framing Shutter



SA-09
GOBO Set

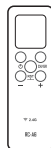


SA-10
GOBO Holder



SA-11C
(Color effects set)

SA-11T
(Color temperature
adjustment set)
Color Filter



RC-A6
Remote Control

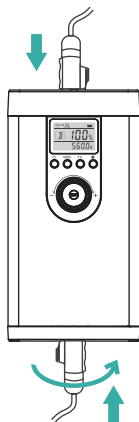
Power Supply

- AC Power Supply

1. Press and hold the metal latch button of connect cable, insert the two ends of power source connect cable into the controller's DC output port and light's DC input port until a "click" can be heard.
2. Insert the power cable's output end into the controller's AC input port. Then, rotate it rightwards to 15° until a "click" can be heard.

Pull out the power cable: press the PUSH button on the output end of power cable and rotate it leftwards to 15° to pull out.

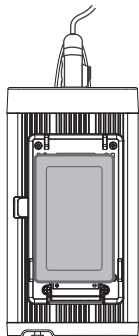
3. Connect power cable into the power source. Pull out the connect cable: press down the metal latch button of connect cable and pull out the cable simultaneously.



- V-port Battery Power Supply (Optional)

Install the V-port battery onto the controller's battery compartment. Then, power the light on to operate.

Note: Please use the standard V-port battery with 14.8V standard voltage. Do not supply power with the battery whose voltage is over 16.8V.



Operation

- Power switch:

Short press the power switch, and the LED light will be lighted on. Press the button again to turn off the light.

- Brightness adjustment:

In the main interface, turn the select dial to adjust brightness from 0% to 100%.

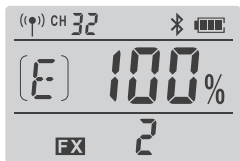
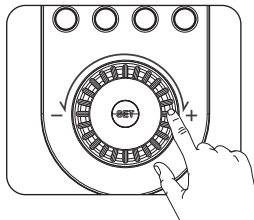
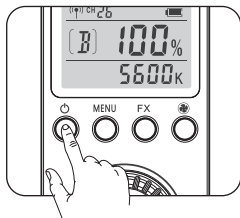
- Bi-color Setting:

Bi-color Mode: CCT mode is on the main interface.

CCT Adjustment: Short press SET button on the main interface, the CCT number will blink, turn the select dial to adjust CCT from 2800K to 6500K, with 100 units change in normal speed and 500 units change in fast speed.

- Light effects setting:

In normal status, short press the FX button once to enter the setting interface. Then, turn the select dial to choose light effects from OFF and 1 to 11.





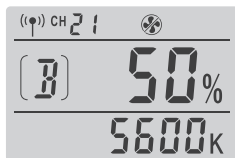
Display	FX1	FX2	FX3	FX4	FX5	FX6	FX7	FX8	FX9	FX10	FX11
Flash 1	Flash 1	Flash 2	Flash 3	Storm 1	Storm 2	Storm 3	TV	Broken Bulb	Candle	Fire	Firework

Short press the FX button or SET button to exit from light effects modes and back to the main interface after settings finished.

Note: If a light effect is selected from 1 to 11, the FX icon and light effects will be displayed on the main interface and the brightness can be adjusted, while color temperature is not available. If choose OFF, the color temperature will be displayed instead of FX icon.

- **Silent Mode:**

In normal status, short press the Fan button  to turn it on or off, the  icon is displayed, the fan is turned off, the LED light will enter silent mode, and the brightness will be adjusted from 0% to 50%.



Note: The fan will be turned on by default and there is no icon appeared on the display.

MENU

1. 2.4G Wireless Control

With 2.4G wireless system, S60Bi focusing LED video light has remote grouping and control function. It is recommended to purchase RC-A6 remote control (optional) to achieve wireless control. 16 groups of LED lights can be controlled. 32 channels and 99 IDs are available with strong anti-interference capability.

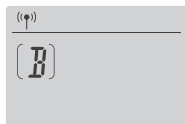
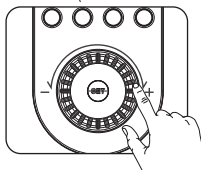
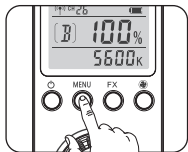
- Note:**
1. Please make LED light's channel, group and ID to the same as remote control's.
 2. The wireless signals can only be received in the situation that the LED light is powered on.

1.1 CH Channel Adjustment/GR Group Adjustment/ID Value Adjustment

In main interface, short press MENU button once and turn the select dial to select channel, group, ID, bluetooth code display and DMX512 loop.

In CH channel setting interface, short press SET button and the channel icon will blink. Then, turn the select dial to choose channel from 1 to 32. Press the SET button to exit and the icon will stop blinking.

In GR channel setting interface, short press SET button and the group icon will blink. Then, turn the select dial to choose group from A to F and 0 to 9. Press the SET button to exit and the icon will stop blinking.



In ID channel setting interface, short press SET button and the group icon will blink. Then, turn the select dial to choose group from OFF and 1 to 99. Press the SET button to confirm and the icon will stop blinking.

After setting all these parameters, short press SET button to confirm and back to the main interface.



Note: The LED light will auto return to the main interface if there's no operation after 10 seconds.

2. Bluetooth Control

2.1 Bluetooth Code Display & RESET Function.

Check Bluetooth code: in main interface, short press MENU button. Then, press the select dial to switch the icons. The Bluetooth code will be displayed after Bluetooth icon appeared.



Bluetooth reset function in the Bluetooth code interface, long press the SET button for 2 seconds and the Bluetooth icon will blink because of resetting. And the icon will stop blinking after successfully reset. Then, short press the MENU button to return to main interface.

Note: The LED light's Bluetooth function should be turned on. The APP can be used directly on the firstly installed device (smartphone or iPad). When change to other mobile device (smartphone or iPad), the light shall be reset before the normal connection of APP.

2.2 Scan the QR code to download the "Godox Light" smartphone APP (can be used in Android and Apple).

For more smartphone APP operations, please open the "help" in APP to gain detailed guidance.



3. DMX Control Mode

In main interface, short press MENU button once and turn the select dial to switch until the DMX icon is displayed. Short press the SET button and the icon will be blinking. Then, turn the select dial to set the DMX channel from 1 to 512. Adjustment in 10 values quickly or 1 value normally. Then, short press the SET button to confirm and the icon will stop blinking. Short press the MENU button to return to main interface.



DMX Parameters:

Operation Mode	CCT	FX	Note
Code			
n (Mode)	0-51	52-255	
n+1	DMX*(100/255) Integer 0-100% Brightness	DMX*(100/255) Integer 0-100% Brightness	
n+2	DMX* (Max CCT- Min CCT) /100) /255) Integer	DMX*(total light effects/255)	1. CCT adjustment (for example: Min CCT 2800, Max CCT 6500 DMX=102, 102 *((6500-2800) /100)/255=14(CCT28+14 =42*100=4200) 2. FX Adjustment: total FX14, DMX=160, FX number =160*14/255=8

Illuminance Data of S60BI

Color Temperature	Testing Condition	illuminance Data	1 m	2 m	3 m
2800K	flood	lux	3010	761	352
		fc	280	70.7	32.7
	spot	lux	22400	5920	2740
		fc	2090	550	254
3200K	flood	lux	3710	950	436
		fc	345	88.2	40.5
	spot	lux	28000	7430	3410
		fc	2600	690	317
4300K	flood	lux	4310	1100	505
		fc	400	102	47
	spot	lux	32700	8690	3970
		fc	3030	807	369
5600K	flood	lux	4340	1110	509
		fc	403	103	47.3
	spot	lux	32900	8770	4000
		fc	3060	815	372
6500K	flood	lux	4290	1100	504
		fc	398	102	46.8
	spot	lux	33200	8690	3960
		fc	3090	808	368

Note: The above tests are all based on the condition of 100% brightness.

Technical Data

Model	CLLCLS60BI	
Power Supply	AC Power Supply	100-240V 50/60Hz 0.9A MAX
	V-port battery	Standard voltage: 14.8V (optional)
Power	77W (Max)	
Color Temperature	2800-6500K	
CRI	≈ 96	
TLCI	≈ 97	
Brightness Range	0 ~100%	
Channel (CH)	32 (1 to 32)	
Group (GR)	16 (A to F/0 to 9)	
Beam Angle	6°-55°	
Working Environment Temperature	-10 ~ 40°C	
Control Method	Smartphone APP/2.4G wireless remote control DMX control/Controller	
2.4G Wireless Transmission Distance (≈)	≈ 50m	
Bluetooth Control Distance	≈ 30m	
Dimension (≈)	Light body: 264 × 107 × 100mm	
	Controller: 233 × 112 × 61mm	
New weight (≈)	Light body: 1.36kg	
	Controller: 1kg	
2.4G Frequency Range	2412MHz~2464.5MHz	
BT Frequency Range	2402.0MHz~2480.0MHz	
Maximum power	6.68dBm	

*Product design and specifications are subject to change without notice. 14

Maintenance

This product, except consumables e.g. battery, power cable and connect cable, is supported with a one-year warranty.

Avoid sudden impacts and the product should be dedusted regularly.

Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.

Unauthorized service will void the warranty.

If the product had failures or was wetted, do not use it until it is repaired by professionals.

Changes made to the specifications or designs may not be reflected in this manual.

FCC Compliance Statement

This product, except consumables e.g. battery, power cable and connect cable, is supported with a one-year warranty.

Avoid sudden impacts and the product should be dedusted regularly.

Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.

Unauthorized service will void the warranty.

If the product had failures or was wetted, do not use it until it is repaired by professionals.

Changes made to the specifications or designs may not be reflected in this manual.

This device 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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. RF Exposure Compliance.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 5mm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

One Year CLAR Limited Warranty

CLAR warrants to the original purchaser that your CLAR product shall be free from defects in material and workmanship for the period of one (1) year from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later.

CLAR's entire liability and your exclusive remedy for any breach of warranty shall be, at CLAR's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as CLAR may direct with a copy of the sales receipt or dated itemized receipt. CLAR may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts are in compliance with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by CLAR, except where such restriction is prohibited by applicable law.


Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws.

To start a warranty claim, contact the CLAR Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to CLAR, along with the RMA number and proof of purchase.


Question about our product line? Need Product Support?

CLAR is the light leader. You have a mighty lighting tool to accomplish exquisite images bursting with creative expression. Continuous light is not hampered by guide number restrictions. The imagemaker has ultimate control with absolute assure that the image on the preview screen correctly portrays the captured vision. Enjoy your purchase and keep in touch with us as your gain experience and the pleasure of producing exciting and unique imaging with CLAR.

We are proud of our products and celebrate our customers. We are with you, from product selection to everyday use. Be secure with your purchase and reach us as you need.

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You can always contact us at **BRANDS@ADORAMA.COM** for personal technical support. Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.

CLLCLS60BI

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