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SIRUI C300 6 Color Full Spectrum Point Source Light

SIRUI C300 6 Color Full Spectrum Point Source Light User Manual

Contents

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Foreword

The C300 Colorful is SIRUI's first high-power full-spectrum point-source light, whose power is 300W. Breaking through the simple mixing of RGB, lime, amber and cyan beads are added. This innovative use of 6-color light mixing technology provides exceptional color accuracy and various color choices. And the versatile and convenient light can be powered by either a battery or an AC adapter. Its compact and portable design allows for easy attachment to a stand, making it an ideal lighting option for a range of applications including still photography, videography, living streaming, weddings and even children's events.
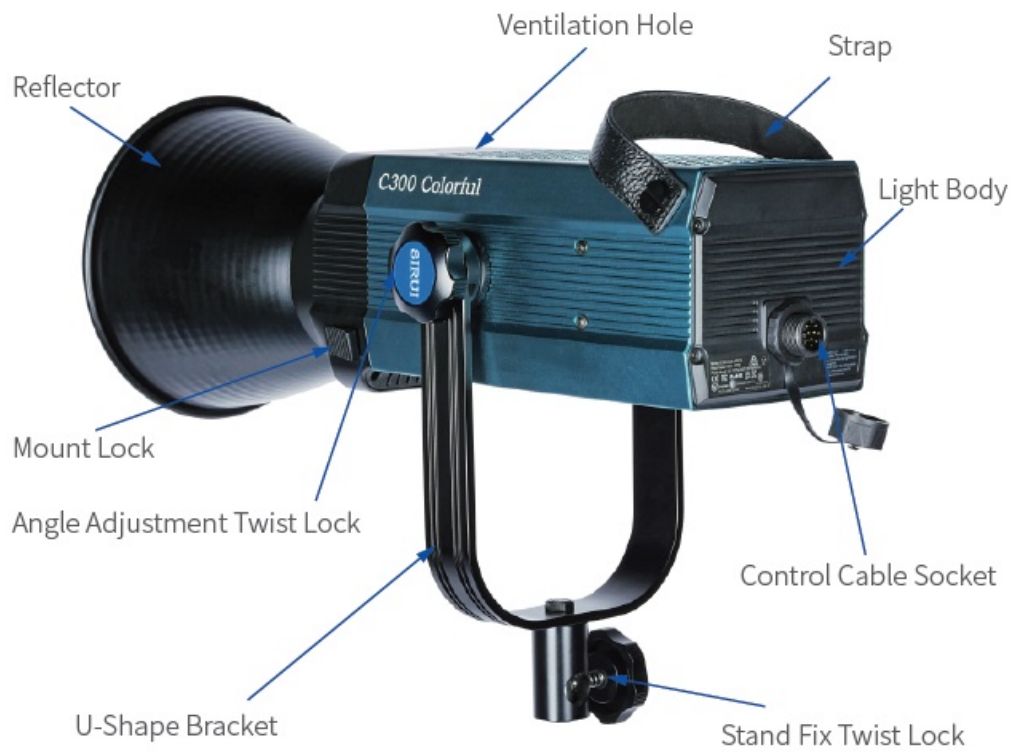
Features

1. Compact and lightweight.
2. 300W high brightness and uniform light output.
3. Wide CCT range from 2000K to 20000k and fully tunable green-magenta adjustment.
4. Multiple modes, such as RGB Mode, HSI Mode, XY Mode and Color GEL Mode for creative shooting.
5. 16 special effects.
6. Silent fans are built inside to ensure noiseless running.
7. Support Bluetooth APP control, DMX control, wireless DMX control and controller adjustment.
8. Common accessories can be attached via the Bowens mount.

What's in the Box

1. Reflector*1
2. Light Body*1
3. Controller*1
4. Protection Cover*1
5. Power Cord*1
6. Control Cable*1
7. Controller Clamp*1
8. Carry Case*1
9. Warranty Card*1

Names of Parts

Reflector

Ventilation Hole

Strap

C300 Colorful

Light Body

Mount Lock

Angle Adjustment Twist Lock

Control Cable Socket

U-Shape Bracket

Stand Fix Twist Lock

Hand Strap

Power Switch

Control Cable Socket

Power Input Socket

LED Screen

Buttons

Dovetail Quick
Release Design

Knob

USB Port
(Power the Wireless DMX)

V-Mount
Battery Plate

Power Management

1. **Adapter Power Supply**

   Input: 100-240V, 50/60Hz

2. **Battery Power Supply**

Load one V-mount battery on the V-mount battery plate. Support 14.4V-16.8V V-mount battery. (The battery can only supply power but can not be charged. Two batteries are required at the same time.) The battery is sold separately.
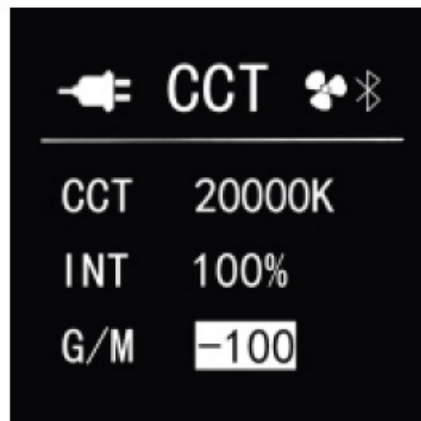
Operation

1. **Power On/Off**

"—" On; "O" Off

2. **Mode Selection**

Hit the M button to switch among CCT Mode, RGB Mode, GEL Mode, XY Mode, HSI Mode and FX Mode. Or press the shortcut key to select CCT Mode, HSI Mode or FX Mode.
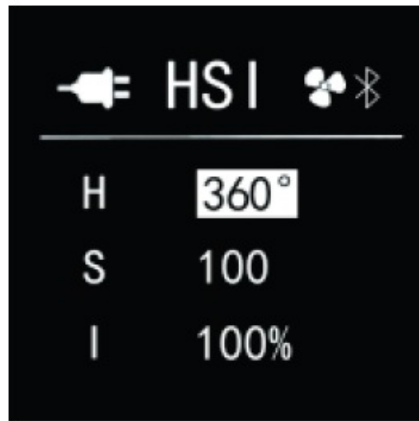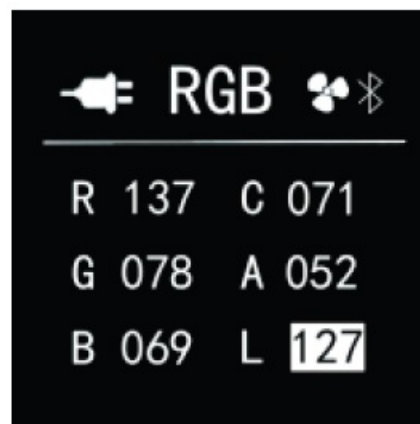

1. **CCT Mode**

Hit the M button or press the CCT shortcut key to enter CCT Mode. Press the FN button to select CCT, intensity and GM. Rotate the knob to adjust color temperature from 2000k to 20000k, intensity from 0 to 100% and G/M ±100.

2. **HSI Mode**

Hit the M button or press the HSI shortcut key to enter HSI Mode. Press the FN button to select hue, saturation and intensity. Rotate the knob to adjust hue from 0 to360, saturation from 0 to 100 and intensity from 0 to 100%.

3. **RGB Mode**
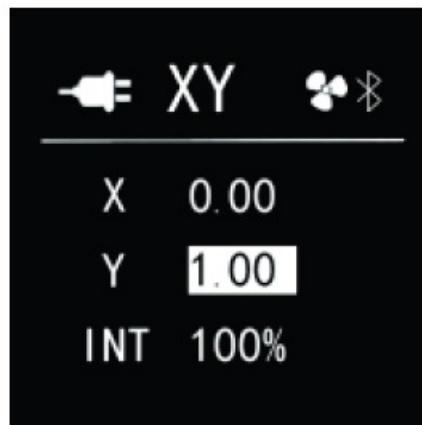

Hit the M button to enter RGB Mode. Press the FN button to select R/G/B/C/A/L. Rotate the knob to adjust from 0 to 255.

4. **GEL Mode**

Hit the M button to enter GEL Mode. Press the FN button to select CCT, GEL and INT. Rotate the knob to select CCT 3200/5600, select Color GEL and adjust intensity from 0 to 100%. A total of 66 types of color gel. (22 for LEE and 44 for ROSCO)

5. XY Mode

Hit the M button to enter XY Mode. Press the FN button to select X/Y/INT. Rotate the button to adjust X/Y in at least 0.01 increments from 0.0 to 1.0. Rotate the button to adjust intensity from 0 to 100%.
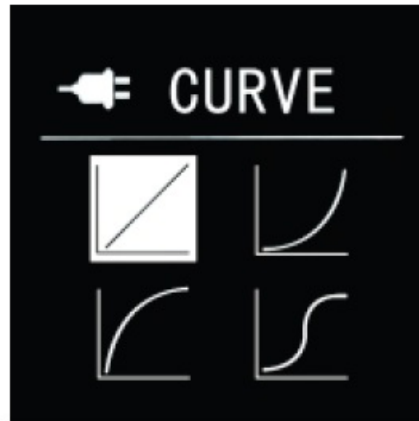
6. FX Mode

Hit the M button or press the shortcut key to enter FX Mode. Press the FN button to select effects, speed and intensity. Intensity adjustment: Rotate the knob to adjust intensity in at least 1% increments from 0 to 100%.

Effects selection: Select 16 effects according to the needs. Speed adjustment: Rotate the knob to select speed among A, B and C.

No.	Display	Situation	Effect	Display A	Display B	Display C
1	♻	RGB Cycle	HUE 0-359°, SAT 100	Slow	Medium	Quick
2	🔦	Flash	5600k	Flash	Press Conference	Paparazzi
3	🎸	Disco	Red, Green, Purple, Yellow, Blue Flashing	Slow	Medium	Quick
4	⚡	Lighting	5600k	Discontinuous	Frequent	Sustainable
5	💡	Broken Bulb	5600k	Discontinuous	Frequent	Sustainable
6	TV	TV	5600k	Slow	Medium	Quick
7	🕯	Candle	3200k	Discontinuous	Frequent	Sustainable
8	🔥	Fire	2800k	Slow	Medium	Quick
9	✳	Firework	Constant Yellow, Blue, Green and Red Flashing	Brief	Continuous	Show
10	🚓	Police Car	Red, Blue	Slow	Medium	Quick
11	SOS	SOS	5600K Flashing	Slow	Medium	Quick
12	💣	Explosion	5600k	Discontinuous	Frequent	Sustainable
13	〰	Pulsing	5600k	Slow	Medium	Quick
14	🔦	Welding	5600k	Discontinuous	Frequent	Sustainable
15	⤬	CCT Cycle	2000-8000k	Slow	Medium	Quick
16	⛅	Cloud Floating	2000-8000k/Intensity Change	Slow	Medium	Quick

7. **Dimming Curves Mode**

Under CCT Mode, RGB Mode, GEL Mode, XY Mode, HSI Mode and FX Mode, long press CCT shortcut key and rotate the knob to select linear, exponential, logarithmic and S-curve dimming curves. Hit CCT shortcut key to confirm after selecting.

8. S&R Mode

Long press the FN button to enter. CCT Mode, HSI Mode, RGB Mode and XY Mode support data storage. Rotate the knob to adjust Read/Save from 01 to 20. Hit the FN button, select Read/Save, rotate the button to select from 01 to 20 and hit the M button again to confirm.

9. MODE Mode

Long press the M button to enter and rotate the knob to select:

1. BLE Mode
2. DMX Mode
3. FAN MODE

4. Volt Adjust

BLE Mode
Hit the M button to enter, rotate the knob to select ON/OFF and hit the M button again to confirm. The Bluetooth logo is displayed on the upper right of the screen when the Bluetooth is on. And the Bluetooth logo is not displayed when the Bluetooth is off.

DMX Mode
Hit the M button to enter and rotate the knob to select DMX from 001 to 512. After finishing, long press the M button to exit DMX Mode

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
CCT	Intensity	CCT	GM			
HSI	Intensity	Saturation	Hue			
FX	Intensity	Effect	Frequency			
RGBACL	R	G	B	A	C	L
GEL	CCT	Intensity	Color GEL			
XY	Intensity	X	Y			

Channel 1

0~42	43~85	86~128	129~171	172~214	215~255
CCT	HSI	FX	RGB	GEL	XY

Channel 2

1. CCT/HSI/FX/XY Mode	
0~200	201~255
Intensity 0~100%	Intensity 100%
2. RGBACL Mode	
0~255	
Color R 0~255	
3. GEL Mode	
0~127	128~255
CCT 3200	CCT 5600

Channel 3

1. CCT Mode							
0~180				180~255			
2000K~20000K				20000K			
2. HSI Mode							
0~200				201~255			
Saturation 0~100%				100%			
3. FX Mode							
0~15	16~31	32~47	48~63	64~79	80~95	96~111	112~127
TV	Fire	Flash	Broken Bulb	Pulsing	Welding	Firework	SOS
128~143	144~159	160~175	176~191	192~207	208~223	224~239	240~255
Explosion	CCT Cycle	Candle	Disco	Police Car	RGB Cycle	Cloud Floating	Lighting
4. RGBACL Mode							
0~255							
Color G 0~255							
5. Color GEL Mode							
0~200				201~255			
Intensity 0~100%				Intensity 100%			
6. XY Mode							
0~200				201~255			
X Coordinate 0~1				X Coordinate 1			

Channel 4

1. CCT Mode	
0~200	201~255
GM -1.0~+1.0	GM +1.0
2. HSI Mode	
0~240	241~255
Hue 0~360	Hue 360
3. FX Mode			
0~89	90~179		182~255
Frequency A	Frequency B		Frequency C
4. RGBACL Mode			
0~255			
Color B 0~255			
5. XY Mode			
0~200		201~255	
X Coordinate 0~1		X Coordinate 1	

Channel 5

RGBACL Mode
0~255
Color A 0~255

Channel 6

RGBACL Mode
0~255
Color C 0~255

Channel 7

RGBACL Mode
0~255
Color L 0~255

FAN MODE

Hit the M button to enter, rotate the knob to select H/M/OFF and hit the M button again to confirm.

1. **OFF**: When the fans are off, the fan logo on the upper right of the screen is shut off. The intensity is limited and the power is limited to under 50w.

2. **H**: When the fans are on, the fan logo on the upper right of the screen is revolving. The light works at 100% power.

3. **M**: The fan logo on the upper right of the screen is revolving. The intensity is limited and the power is limited to under 330w.

Volt Adjust

Hit the M button to enter, rotate to select YES/NO and hit the M button again to confirm. There is progress indication during the volt adjustment. R, G, B, C, A, L beads will be adjusted in turn and the system will exit and return to normal function after adjustment.

Attention:

You need to restart the light and initialize after volt adjustment. Otherwise, the power will be abnormal. The volt adjustment will not respond if the temperature of light body is above 40°C. Please do not turn off the light during volt adjustment. If it suddenly powers off, it is necessary to adjust volt before using and switch on and off next time. It is suggested to adjust volt after using the product for half a year.

Temperature Protection Function

1. Smart temperature protection function is designed to protect the product. The light will automatically turn off if the environment temperature is high and it will enter the state of protection. The light will work normally after the temperature drops to a safe level.

2. Working Environment Temperature: -10°C-40°C.

APP Control

Turn on the Bluetooth on both controller and smartphone. Enter the " SIRUI Light" APP and select the device you want from the list. Scan the QR code to download the" SIRUI Light" APP.

For detailed steps, please refer to the APP instruction manual.

Firmware Update

Connect the APP to download firmware. It will take about 10 minutes to download firmware, so please be patient. After the APP successfully sends the firmware to the light body, the update progress bar will keep blinking for 10min. When the update is finished, it will be normally on.

Note:

1. Please be patient and do not operate during updating, otherwise, the update will fail. If the update fails, the system will back to normal state and users can update again.
2. Restart the light after firmware update.

Setup
Attach the light to the stand and tighten the sleeve locking knob.

Specifications

Model	SIRUI C300 Colorful
Light Body Dimensions	282.1*172*322.6mm
Controller Dimensions	142*117*277mm
Weight	Light Body 2900g, Controller 1900g
Input Power	370W
LED Power	Max 300W
CCT	2000K~20000K
Duv	All CCT Range, GM Adjustment Range, and GM at 0, Control Range of Duv ±0.001
Color Modes	6
Special Effect	16
Illuminance (LUX) with Reflector	19000lux/1m
TLCI	99
CRI T-30	98 T-30 Rg:95
	T-30 Rf:103
Mount	Bowens Mount

Working Environment Temperature	-10℃-40℃
Length	Power Cord 2m, Control Cable 3.5m
Power Supply	AC Adapter/V-Mount Battery
Control Method	Bluetooth APP, DMX, Wireless DMX, Controller Adjustment
Wireless Operating Range	15m

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

Cautions

1. The product should be kept in a cool, dry and ventilated place.
2. Do not look directly at the LED lamp beads when the light is on.
3. Do not put the light near flammable and volatile solvents.
4. Avoid using the light in humid, dusty, overheated environments.
5. Use of unauthorized power adapter may cause damage to the product and void the warranty.
6. Remove the lamp cover before using the light.

Maintenance

- If there is something wrong with the light when it is working, please turn it off first.
- Avoid sudden impacts and the product should be dedusted regularly.
- It is normal that the light gets a bit hot when it is working.
- Maintenance must be performed by the authorized maintenance department which can provide original accessories.
- The product, except for consumables, is backed by a two-year warranty.
- 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.

Documents / Resources

SIRUI C300 6 Color Full Spectrum Point Source Light [pdf] User Manual
C300 6 Color Full Spectrum Point Source Light, C300, 6 Color Full Spectrum Point Source Light, Full Spectrum Point Source Light, Point Source Light, Source Light, Light

References

- 🖼 **Home**
- **User Manual**