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CINEPEER CX100 COB Light

User Guide

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Brief Introduction

CINEPEER CX100 is a high-power, portable fill light that supports brightness/color temperature adjustment. It can be mounted on a light stand or tripod to meet the fill light requirements for video recording, live streaming, still-life photography, and other scenarios. The product has the following highlights:

1. Lightweight and portable, simple and quick to operate.
2. Stylish appearance with outstanding performance.
3. High color rendering index, accurately reproducing the true colors of objects.
4. Adjustable brightness/color temperature, suitable for a wide range of applications.
5. Equipped with DynaVort Cooling System™ for excellent heat dissipation.
6. Supports multiple power supply solutions such as built-battery, USB adapter and DC power adapter.
7. Supports PD fast charging, allowing for simultaneous charging and use.
8. Versatile installation and usage options, including handheld, tripod-mounted, and light stand-mounted setups.

WARNING

-  This product is not waterproof. Prevent contact with any kind of liquid with the CINEPEER CX100 COB Light. Never use the product in the rain or a humid environment.
-  If water accidentally enters the device when using, please stop using it immediately and contact the company or authorized maintenance personnel for maintenance, and continue to use it only when the maintenance is finished.
-  Do not expose this product to corrosive chemicals, inflammable and explosive materials.
-  Do not touch the heating part when the product is working to avoid getting burned.
-  Do not wrap or block the fans to avoid cooling effect damage.
-  Do not turn the product directly to the eyes to avoid eyesight damage.
-  Do not expose this product to an environment above 40°C .

Battery safety precautions:

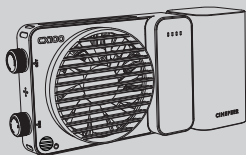
- ① It is strictly prohibited to use batteries that are not provided by ZHIYUN.
If you need to replace the battery, please contact ZHIYUN or designated agents. ZHIYUN will not be responsible for any battery accidents or equipment malfunctions caused by using batteries that are not officially provided by ZHIYUN.
- ② If the battery bulges, leaks, or has other abnormalities, please stop using it immediately and contact ZHIYUN customer service or designated agents for further processing.
- ③ Do not completely discharge the battery and store it for a long time to prevent the battery from entering an over-discharged state and causing damage to the battery cell, which may make it impossible to recover and reuse.

BE CAREFUL

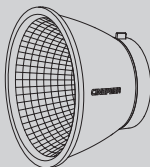
1. This product is a high-precision control device. Damage may be caused to the product if dropped or subject to external force, and this may result in malfunction.
2. Please keep your hands dry while using the product and use a soft dry cloth for cleaning.
3. Keep this product out of the reach of children.
4. When not using this product, please disconnect the external power supply.
5. Do not place any other items on top of this product to avoid damage to this product.
6. Protect the product from dust and sand during use.
7. Before storing this product, please make sure it is completely cooled and store it in a dry and ventilated place.
8. Do not disassemble this product on your own. In the event of malfunctions, it should be repaired by ZHIYUN or authorized maintenance personnel.

Product List

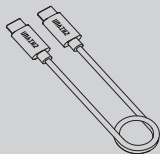
Before using this product, please check carefully that all the following items are included in the product package. In case that any item is found missing, please contact ZHIYUN or your local selling agent.



Fill Light x1



Reflector x1

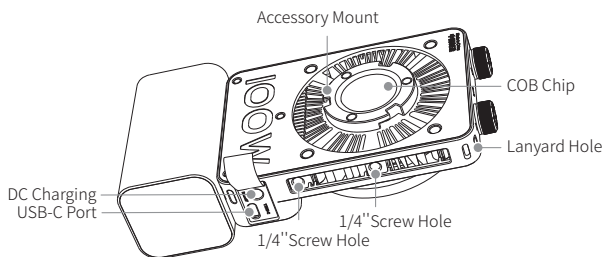
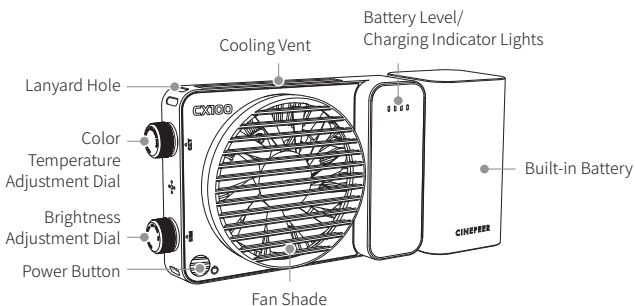


USB Type C Cable x1



Silicone Diffusion Dome x1

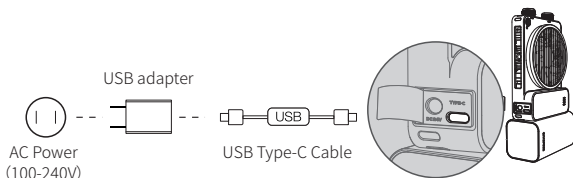
Get to Know CINEPEER CX100



Charging

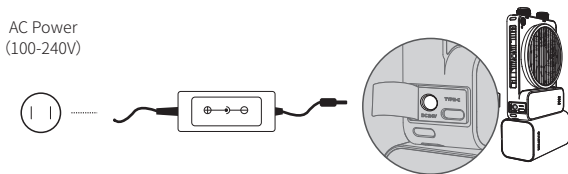
The product adopts built-in battery. When using it for the first time, please activate the battery by fully charging it to ensure proper function.

① **Charging via USB adapter:** Use the provided USB Type-C cable (60W) to connect the fill light to a USB adapter (not provided). It is recommended to use a USB adapter that supports the PD (Power Delivery) fast charging protocol. When charging while using the fill light, the USB adapter will prioritize powering the fill light, and the remaining power will be used to charge the battery. The maximum PD charging power supported by the battery is 30W.



- ① It is recommended to charge CINEPEER CX100 when the light is turned off.
- ② When using while charging, it is recommended to use a USB adapter and USB cable that support the PD fast charging protocol and have a power greater than 100W.

② **Charging via DC power adapter:** Connect the DC power adapter to the DC charging port of the CINEPEER CX100 and the AC power socket to charge the CINEPEER CX100.

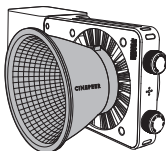
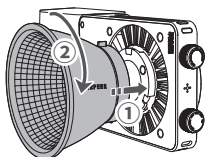


- ① It is recommended to use a 24V/5A DC power adapter to charge the CINEPEER CX100.

Installing and Removing the Reflector

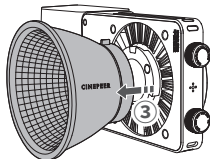
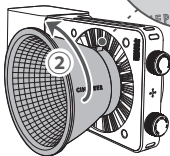
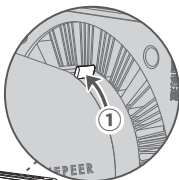
Installing

Align the reflector mount with the accessory mount of the CINEPEER CX100, then mount the reflector onto the CINEPEER CX100 and rotate it in the direction shown until you hear a "click". The reflector buckle will automatically lock, indicating that the installation is complete.



Removing

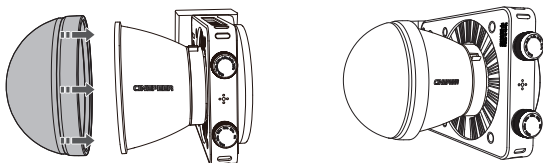
Push the buckle of the reflector inward (1) and simultaneously rotate the reflector inward (2), then remove the reflector from the accessory slot (3).



Installing and Removing the Diffusion Dome

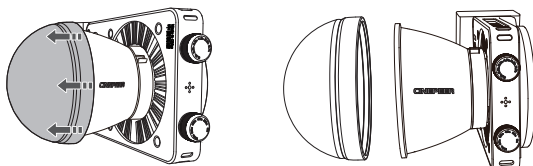
Installing

Install the reflector to the diffusion dome, unfold the diffusion dome to the state shown in the figure, align the opening of the diffusion dome with the reflector, then fit the ring-shaped groove of the diffusion dome onto the end of the reflector to complete the installation.

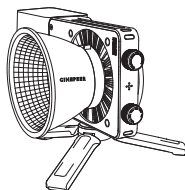
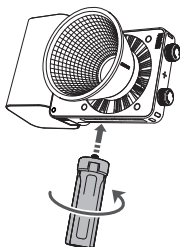


Removing

You can simply remove the diffusion dome from the reflector by hand.

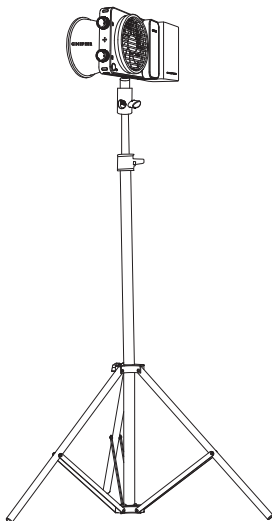
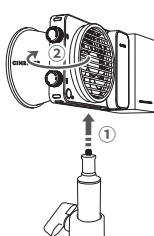


Align the 1/4-inch screw at the top of the tripod with the 1/4-inch screw hole at the bottom of the CINEPEER CX100. Then, mount the CINEPEER CX100 onto the tripod.



💡 Tripod is not provided.

Align the 1/4-inch screw hole at the bottom of the CINEPEER CX100 with the 1/4-inch screw at the top of the light stand. Then, attach the CINEPEER CX100 to the light stand.



💡 Light stand is not provided.

⚠ DO NOT stare at the LED chips when the device is operating.

⚠ The IP rating of the outer case is IP20.

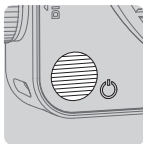
Buttons and Dials

Single press power button+press and hold power button+turn the brightness adjustment dial:

Turn on the light (when powered by built-in battery/USB)

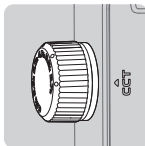
Single press power button+press and hold power button:

Turn on the light (when powered by DC)



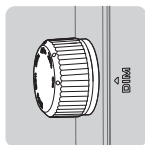
Power Button:

Long press: Power off



Color Temperature Adjustment Dial:

Turn: Adjust color temperature



Brightness Adjustment Dial:

Turn: Adjust brightness

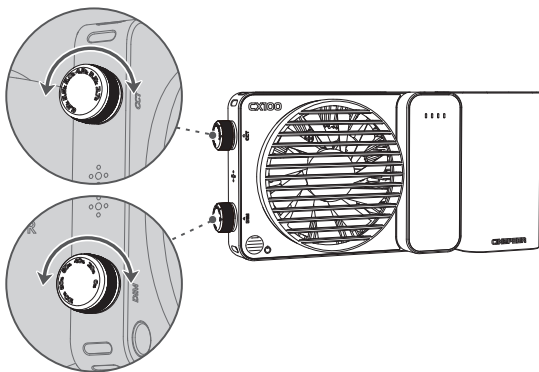
- 💡 ① When powering on, turn the brightness adjustment dial until all four indicator lights are on; only then can the CX100 be turned on.
- ② After the CX100 is powered on, if the brightness is set to 0%, it will automatically turn off after 2 minutes.

Indicator Lights Instruction

Indicator Lights	Status	Solution
Two lights flash quickly at the same time	Hardware malfunction	Recommended to contact after-sales
Three lights flash quickly at the same time	Hardware malfunction	Recommended to contact after-sales
Four lights flash quickly at the same time	Temperature too high	Recommended to use at a normal temperature or wait until the device cools down
One solid indicator light	Battery level 0-25%	
Two solid indicator lights	Battery level 25-50%	
Three solid indicator lights	Battery level 50-75%	
Four solid indicator lights	Battery level 75-100%/ Charging complete	
Four indicator lights light up in sequence	Charging	

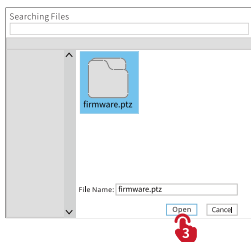
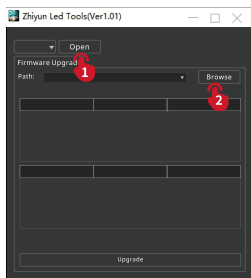
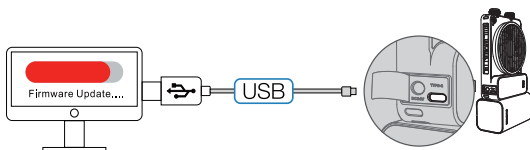
Operation Instruction

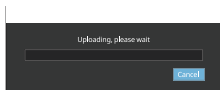
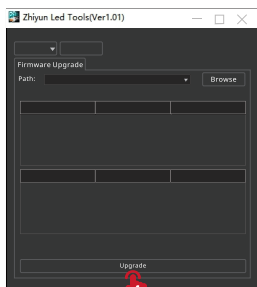
1. Single press and then press and hold the power button and turn the brightness adjustment dial to turn on the CINEPEER CX100. At this time, the battery level/charging indicator lights show the remaining battery level.
2. Turn the brightness adjustment dial to adjust the brightness value of the light. Turn the color temperature adjustment dial to adjust the color temperature value. Please set the appropriate brightness/color temperature value according to your actual use.



You can use "Zhiyun Led Tools" to perform the CINEPEER CX100 firmware upgrade. The steps are as follows:

1. Visit the official website of ZHIYUN (www.zhiyun-tech.com), go to the CINEPEER CX100 product page, click "Download", find the Zhiyun Led Tools and the firmware and download.
2. Unzip the firmware for the files with the ".ptz" file extension.
3. Connect the USB-C port of CINEPEER CX100 to the USB port of the computer with the USB Type-C cable.
4. Open "Zhiyun Led Tools", click "Open", and click "Firmware Upgrade". Click "Browse" under "Path" to select the latest firmware downloaded (with the ".ptz" file extension), and click "Upgrade" at the bottom to upgrade firmware. CINEPEER CX100 will automatically turn off when the upgrade is finished.





Product Model: PLX107

Battery Capacity	4500mAh	
Max Output Power	100W	
Brightness Adjustment Range	0-100%	
Color Temperature Range	2700K-6500K	
CRI/TLCI	CRI \geq 96 TLCI \geq 97	
Illuminance (maximum power, without reflector)	3840(lux)	Lab Data 1
Illuminance (maximum power, with reflector)	21100(lux)	Lab Data 2
Continuous Runtime	30min	Lab Data 3
Charging Time (PD fast charging)	2H 30min	Lab Data 4
Charging Time (DC Power Adapter)	3H	Lab Data 5
DC Power Supply Voltage	DC 24V	
USB Supply Power/ Voltage	P \geq 18W U \geq 9V	
Operation Temperature	-10°C~ 40°C	
Product Size	197*52*94mm	
Product Net Weight (without reflector)	710g	

Lab Data 1: The data is tested under the following conditions: No reflector, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 4300K with 100% brightness. The illuminance is 3840 lux. The actual illuminance varies under different conditions.

Lab Data 2: The data is tested under the following conditions: Installed reflector, 25°C temperature, indoor illuminance lower than 0.1lux, test distance 1m, and the color temperature is set at 4300K with 100% brightness. The illuminance is 21100 lux. The actual illuminance varies under different conditions.

Lab Data 3: The data is tested under the following conditions: 25°C temperature, the fill light is fully charged, and the color temperature is set at 4300K with 100% brightness. The continuous working time is 30 minutes. The actual continuous working time may vary due to different usage times of the fill light, the number of battery charge and discharge cycles, and battery activity. The longer the fill light is used, the more battery charge and discharge cycles, the lower the battery activity and the continuous use time will be shortened accordingly.

Lab Data 4: The data is tested under the condition of an ambient temperature of 25° C, using a 27W PD fast charger. The charging time is 2 hour 30min. The actual charging time may vary due to different environmental conditions. The lower the charging environment temperature, the smaller the charging current, and the longer the charging time will be extended.

Lab Data 5: The data is tested under the condition of an ambient temperature of 25° C, using 24V/5A DC charging. The charging time is 3h. The actual charging time may vary due to different environmental conditions. The lower the charging environment temperature, the smaller the charging current, and the longer the charging time will be extended.

The above data is gathered from internal experiments of ZHIYUN laboratories. Under different scenarios, data is different to some extent. Please refer to the actual use.

Thank you for purchasing this product. The information contains herein affects your safety, legitimate rights and obligation. Please read this instruction carefully to ensure proper configuration before use. Failure to read and follow this instruction and warnings herein may result in serious injury to you or bystanders, or damage to your device or property. Guilin Zhishen Information Technology Co., Ltd (hereinafter referred to as "ZHIYUN") reserves all rights for final explanation of this instruction and other documents related to this product. The information is subject to update without notice. Please visit www.zhiyun-tech.com to obtain the latest product information.

By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all terms, precautions, practices, policies and guidelines ZHIYUN has made and may make available.

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Reading Tips

Legends:  Hints and Tips  Important

Safe Operation Instructions

Read the ENTIRE User Guide to become familiar with the features of this product before operating. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. DO NOT use with incompatible components or in any way otherwise as mentioned or instructed in the product documents provided by ZHIYUN. The safety guidelines herein contain instructions for safety, operation and maintenance. It is essential to read and follow all of the instructions and warnings in the User Guide, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury.

Warranty Period

1. Customers are entitled to replacement or free repair service in case of quality deficits found in the product within 15 days upon receipt of the product.
2. Customers are entitled to free repair service from ZHIYUN for any product proven defective in material or workmanship that results in product failure during normal consumer usage and conditions within the valid warranty period, which is 12 months counting from the date of selling. However, warranty period varies by product component and country of purchase. Please contact our after-sales service team on ZHIYUN official website or your place of purchase for detailed warranty information.

Warranty Exclusions

1. Products subjected to unauthorized repair, misuse, collision, neglect, mishandling, soaking, accident, and unauthorized alteration.
2. Products subjected to improper use or whose labels or security tags have been torn off or altered.
3. Products whose warranty has expired.
4. Products damaged due to force majeure, such as fire, flood, lightning, etc.

Warranty Claim Procedure

1. If failure or any problem occurs to your product after purchase, please contact a local agent for assistance, or you can always contact ZHIYUN's customer service through email at info@zhiyun-tech.com or website at www.zhiyun-tech.com.
2. Your local agent or ZHIYUN's customer service will guide you through the whole service procedure regarding any product issue or problem you have encountered. ZHIYUN reserves the right to reexamine damaged or returned products.

Customer Information

Customer Name:

Phone Number:

Address:

Sales Information

Sales date:

Product Serial Number:

Distributor Name:

Distributor's Contact Number:

First Maintenance Record

Service Date:

Repairman Signature:

Cause of Problem:

Service Result:

☐ Solved

☐ Unsolved

☐ Refunded/Replaced



Website



Weibo



Vimeo



Google+



Facebook
(Zhiyun Support)



Facebook
(Zhiyun Tech)



Youku



Youtube



Wechat



Instagram

Tel: +86 400 900 6868

USA Hotline: +1 808-319-6137, 9:00-18:00 GMT-7, Mon-Fri

Europe Hotline: +49 (0) 61018132180, 10:00-17:00 GMT+1, Mon-Fri

Web: www.zhiyun-tech.com

E-mail: info@zhiyun-tech.com

Address: 09 Huangtong Road, Tieshan Industrial Zone, Qixing District, Guilin, 541004, Guangxi, China

Certificate of Quality

This product is confirmed to meet quality standards and permitted for sale after strict inspection.

QC Inspector: _____



For full product information, please visit ZHIYUN's official website: Content on www.zhiyun-tech.com is subject to update without notice.

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Warning:

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

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