

CZ10

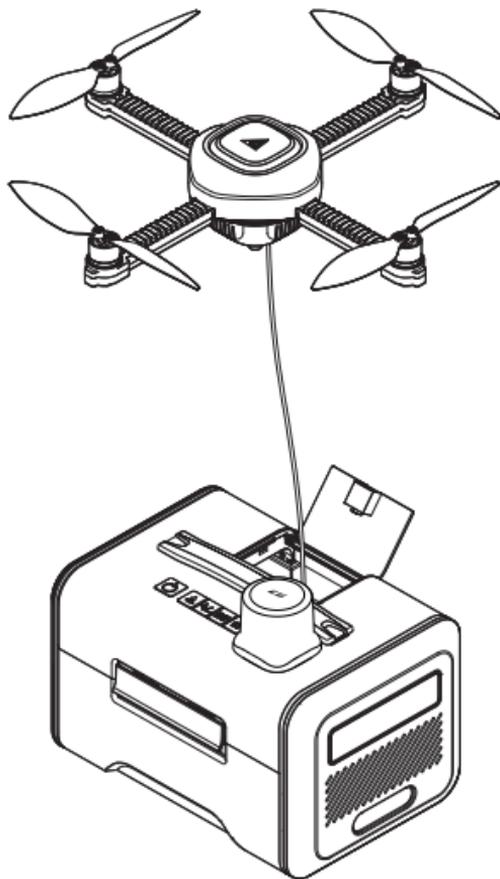
系留悬浮灯

Hover Light

2025.06 V1.0

用户手册

User Manual



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阅读提示

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符号说明



重要注意事项



操作、使用提示

安全须知

! 使用本产品前,请您仔细阅读并遵守本说明书。使用本产品视为您已经阅读并接受与本产品相关的全部条款。本产品不适合16周岁及以下用户使用。

使用环境

- !** 1、请勿在大风(风速8m/s以上)、雨雪、雷电、浓雾等恶劣天气使用。
- 2、请勿在海拔3000米以上地区使用。
- 3、请勿在-10°C以下或40°C以上环境中使用。
- 4、请勿在移动的物体上使用。
- 5、请勿在室内等封闭空间内使用。
- 6、请勿在强电磁干扰源附近使用。
- 7、请勿在强紫外线长时间照射下使用。

使用操作

- 1、请勿用手触摸或使用物体触碰转动中的螺旋桨，避免人员受伤或损坏桨叶。
- 2、本产品不具备避障功能，使用时务必与其他航空器或障碍物保持安全距离，避免发生碰撞事故。
- 3、本产品未开机请勿用力拉动系留线。
- 4、请勿踩踏或放置重物于地面端上，以免结构损坏。



注意：

使用前，请确保固件及APP版本已经更新至最新。

如遇突发恶劣气候变化，请立即返航。

当您收到本产品时，您需要严格按照以下步骤进行检查，以保证设备能够正常使用。

- 1、检查是否存在因运输造成的存坏。
- 2、检查随本产品附赠配件是否完整齐全。

如果您通过上述检查发现问题，请及时与成至联系，我们将第一时间解决您的问题。

首次使用请拔出天空端、地面端的USB-C接口防尘塞。

产品概述

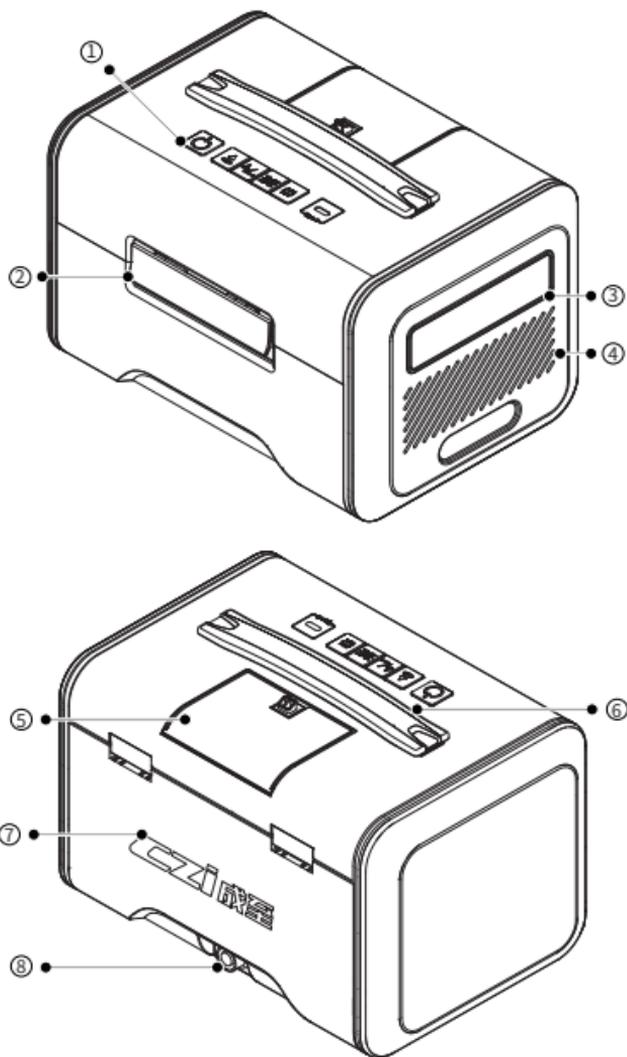
成至CZ10是一款多场景、高效率的轻量化照明工具，搭配户外电源、汽车外放电可以实现长时间照明。它体积小巧，天空端+地面端仅3.5kg，单人即可携带，适合多种场景使用，而且操作简单，从背包到部署仅需要三分钟。它还是一款极简化照明工具，不同于其他照明无人机，它无需培训，仅需要阅读使用手册即可学会，不需要专业飞手操作，并且支持双模操作，操作无忧，快速部署。

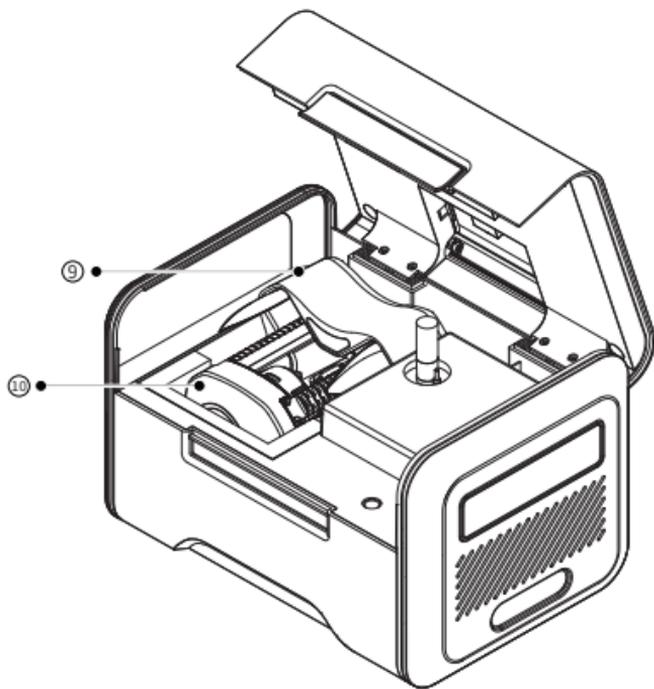
产品参数

产品名称	CZ10系留悬浮灯
电气接口	航空插头
系统总重量	3350g
天空端	241g
地面端	2550g
天空端展开	273×273×61mm
天空端折叠	117×117×127mm
地面端	250×173×165mm
天空端照明额定功率	≤100W
机臂灯最大亮度	16000lm
照明面积	1300m ² (以3lx为照明边界)
地面手电照明功率	20W
灯光模式	氛围灯模式、红蓝爆闪模式、SOS模式
机臂指示灯	双色(红绿)LED灯
悬停精度	±10m
最高飞行高度	±10m
最大抗风速	8m/s
定位技术	RTK (BDS+GPS+Galileo+GLONASS+QZSS)
使用温度	-10°C~+40°C
最大使用海拔高度	3000m
控制模式	APP\地面端双模控制
内置电池	2500mAh\14.8V
电源适配器	输入:100-240V~50/60Hz 5.0A MAX 输出:48.0V/5.0A 240W

机型外观说明

地面端





① 控制面板

② 卡扣

③ 灯板

④ 散热口

⑤ 系留线保护翻盖

⑥ 提手

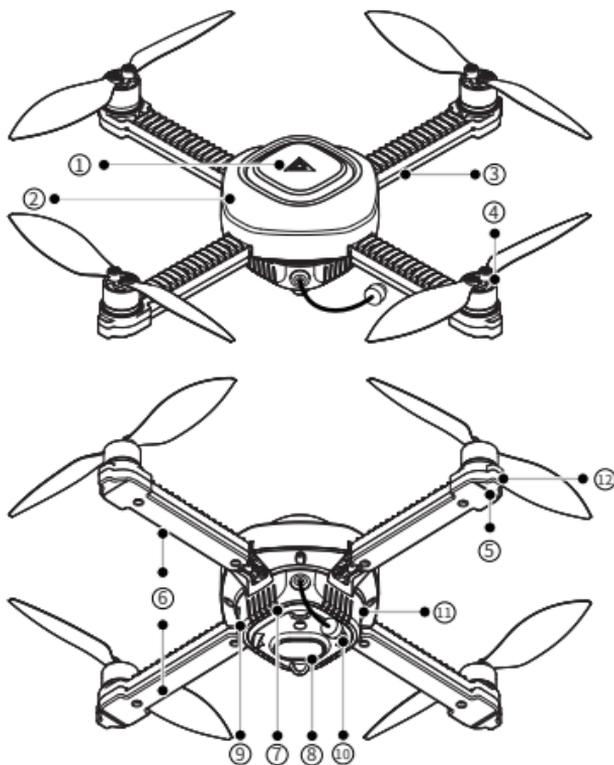
⑦ CZI成至LOGO

⑧ 电源接口

⑨ 束桨套

⑩ 天空端

天空端



① 成至LOGO

② 机架

③ 机臂

④ 桨叶

⑤ 电机

⑥ 机臂灯

⑦ 机架散热口

⑧ 激光光流模块

⑨ Type-C接口

⑩ 系留线接口

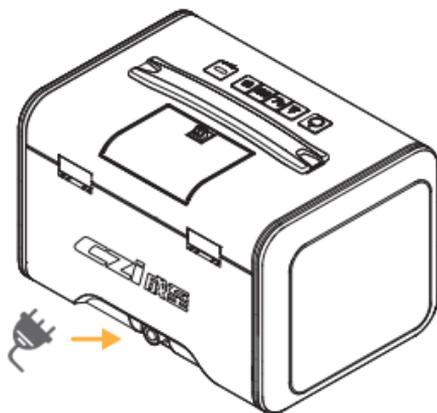
⑪ 重置孔

⑫ 状态指示

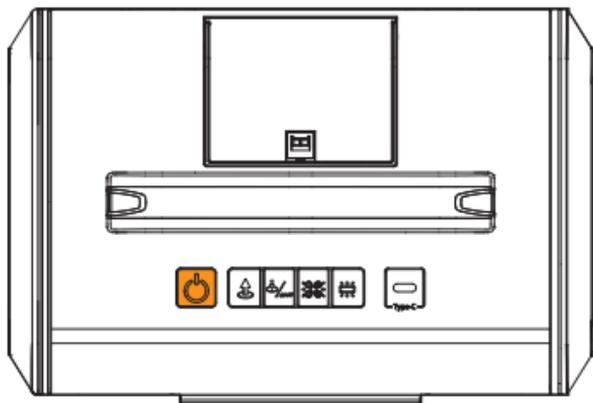
使用教程

地面端使用

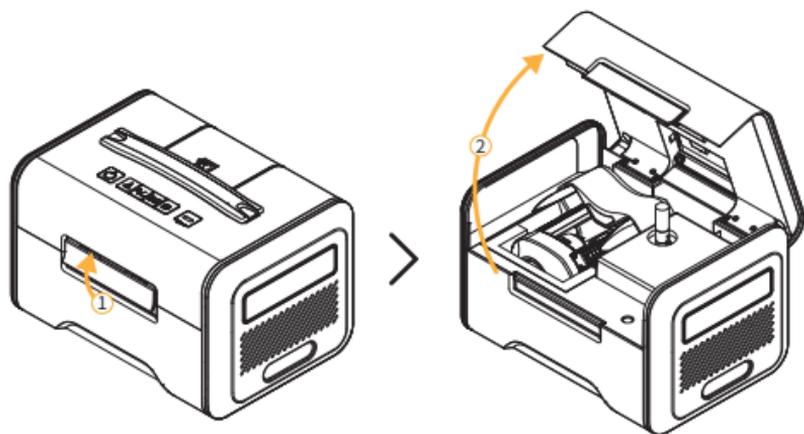
1.连接电源。



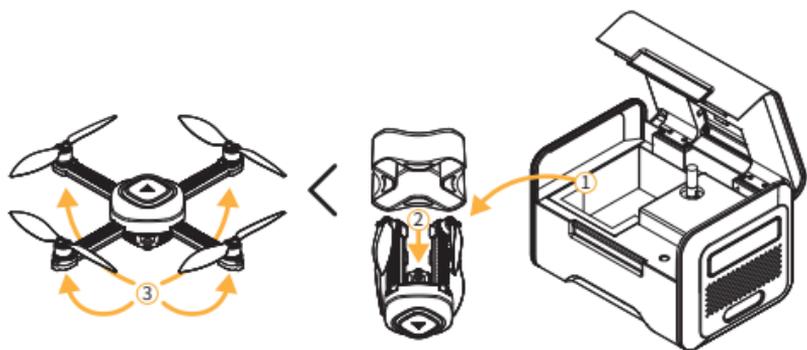
2.长按开机键3s,设备开机。



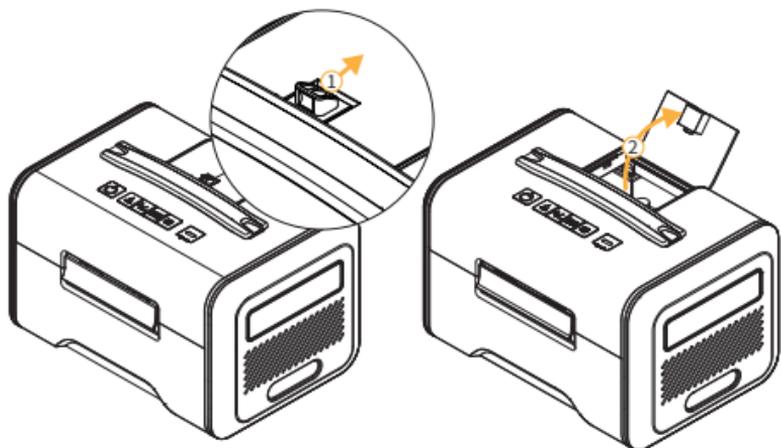
3. 打开地面端盖子。



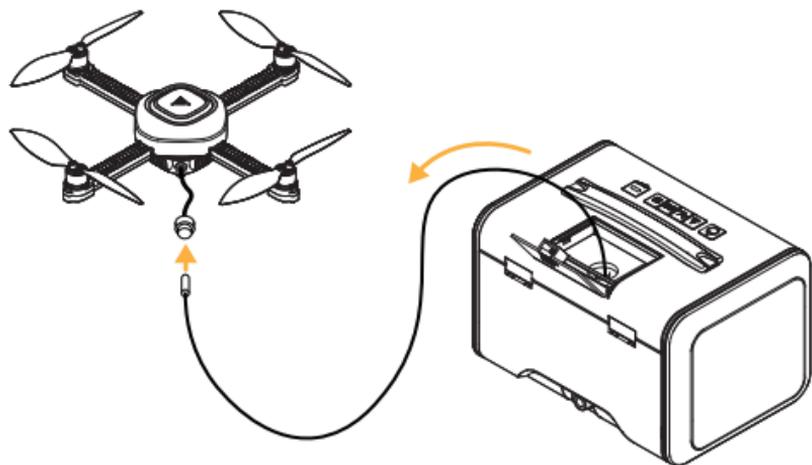
4. 从地面端拿出天空端并展开。



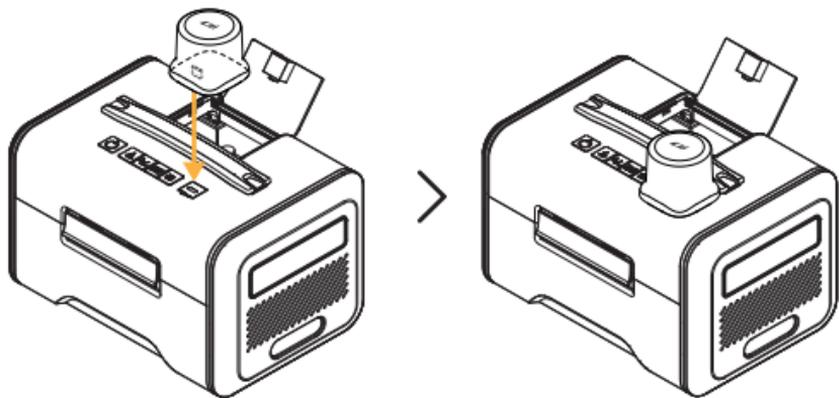
5. 按住卡扣打开系留线保护翻盖。



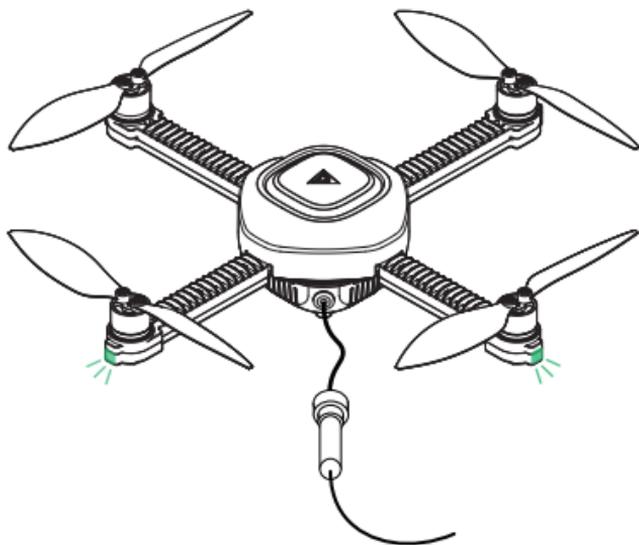
6. 拉出系留线至荧光标记处。



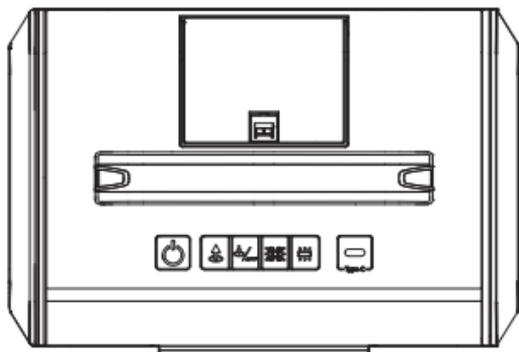
7.连接RTK模块。



8.天空端连接系留线,等待天空端飞行状态指示灯变为全绿方可起飞。

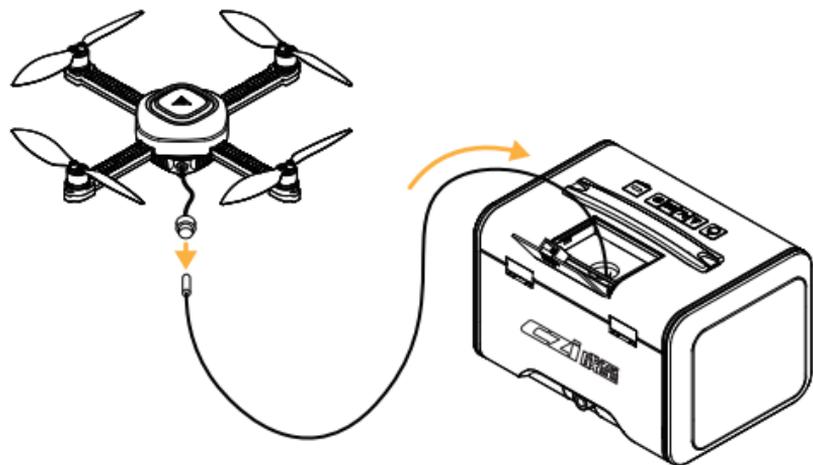


9.地面端控制。

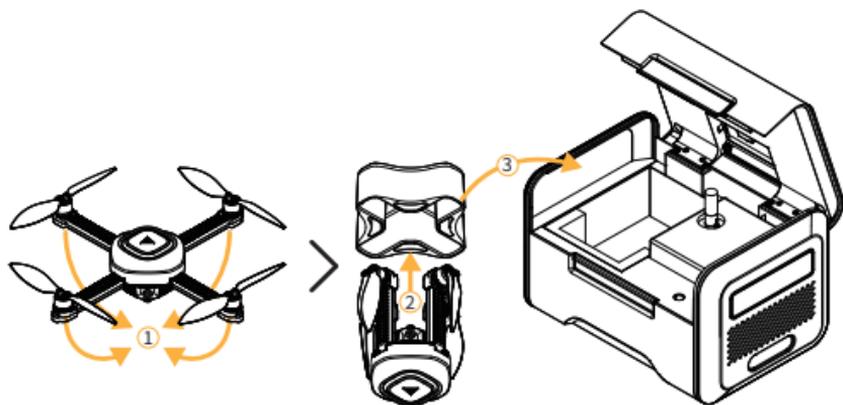


	开关机按键	<p>长按开关机按键，开关机。 开机后连续按两次进入配网模式，使用APP进行配网。 电源指示灯状态： 绿色电量大于70%、蓝色电量大于40%、红色低电量 充电时电源指示灯闪烁</p>
	起飞按键	长按起飞按键，天空端一键起飞，灯光闪烁。
	降落/收线按键	<p>长按降落按键，天空端一键降落并回收系留线，灯光闪烁。 长按降落按键，回收系留线。</p>
	天空端灯光 控制按键	<p>长按天空端灯光按键，实现无人机开关灯 短按进行亮度调节。</p>
	地面段灯光 控制按键	<p>长按地面端灯光按键，实现地面端开关灯 短按进行亮度调节。</p>

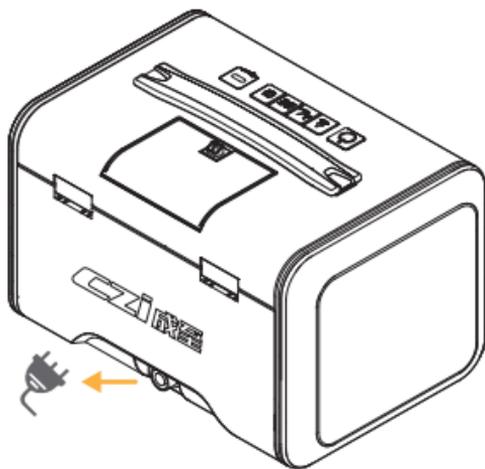
10. 拔掉天空端系留线, 自动收线。



11. 将天空端放入保护套筒, 放入地面端, 关闭上盖。



12. 长按关机，断开电源连接。



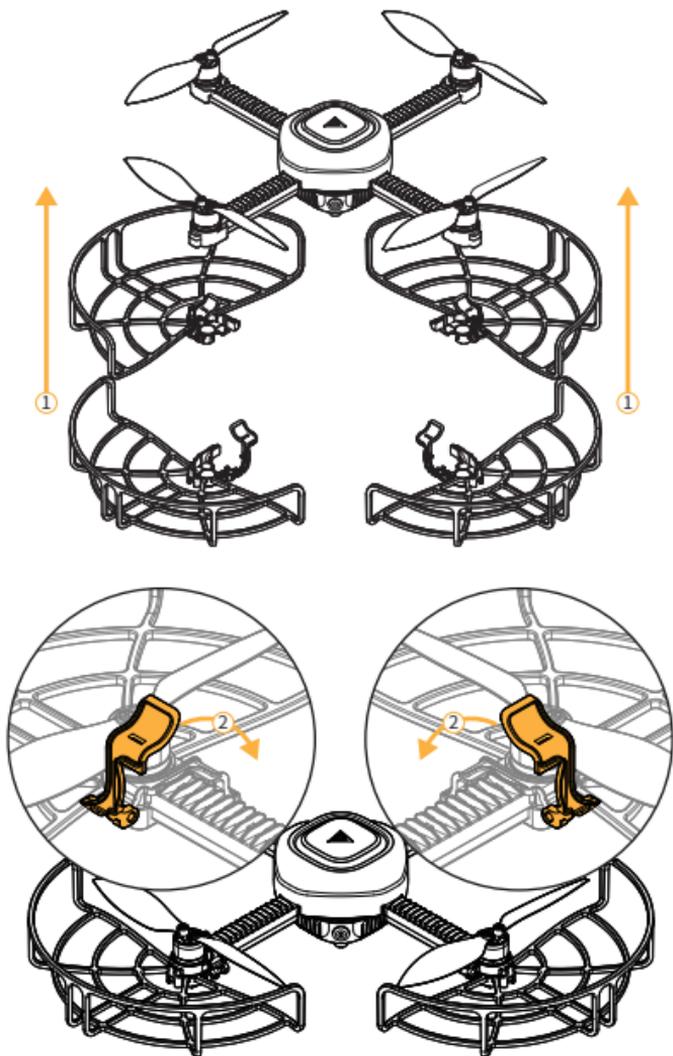
APP操控

请扫描下方二维码下载对应系统APP
(成至官网->服务与支持->下载中心->APP下载)



🔦 桨叶保护罩安装教程

将桨叶保护罩如图放置，并锁紧卡扣。



产品维护

- 1、设备不使用时,请及时断开电源;
- 2、清洁设备前需把电源插头拔除;
- 3、请用干燥擦拭布擦拭表面,并且置于干燥阴凉处存放;
- 4、请及时清洁地面端、天空端散热孔,避免堵塞散热孔影响设备散热。

装箱清单

CZ10系留悬浮灯整机	1台
电源适配器	1套
产品说明书(内含保修卡)	1份
桨叶替换装(正反各2pcs)	1套
桨叶保护罩	1套
RTK模块	1套
背包	1套

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.

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

Note: 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.
- This equipment complies with FCC 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.

Important Notes

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Symbol Legend



Important Precautions



Operating & Usage Guidelines

Safety Precautions

-  Before operating this product, thoroughly read and comply with this manual. Use of this product shall be deemed as your acceptance of all terms and conditions associated with it. This product is not suitable for users aged 16 years or younger.

Operating Environment

-  1. Do not operate in extreme weather (e.g., strong winds >8m/s, rain, snow, lightning, or dense fog).
- 2. Do not use above 3,000 meters altitude.
- 3. Only operate between -10°C and 40°C.
- 4. Do not use on moving platforms or vehicles.
- 5. Avoid use in enclosed or indoor spaces.
- 6. Keep away from strong electromagnetic interference.
- 7. Avoid prolonged exposure to direct ultraviolet sunlight.

Operating Guidelines

1. Do not touch the rotating propellers with your hands or any objects to avoid personal injury or damage to the blades.
2. This product does not have obstacle avoidance capability. Keep a safe distance from other aircraft or obstacles to prevent collisions.
3. Do not pull the tether cable when the unit is powered off.
4. Do not step on or place heavy objects on the ground station to avoid structural damage.



Note:

Ensure that both firmware and mobile app are updated to the latest versions before use.

In the event of sudden bad weather, initiate return-to-home procedures immediately.

Initial Inspection

When unpacking the product for the first time:

- Check for any damage that may have occurred during shipping.
- Verify that all components and accessories are included.

If any issues are discovered, please contact CZI support immediately.

Before initial operation, disengage the USB-C port dust caps from both Airborne unit and Ground station.

Product Overview

The CZ10 Hover Light is a high-efficiency, lightweight illumination solution designed for diverse outdoor scenarios. When connected to a portable power supply or a vehicle's external power port, the system provides continuous, extended lighting.

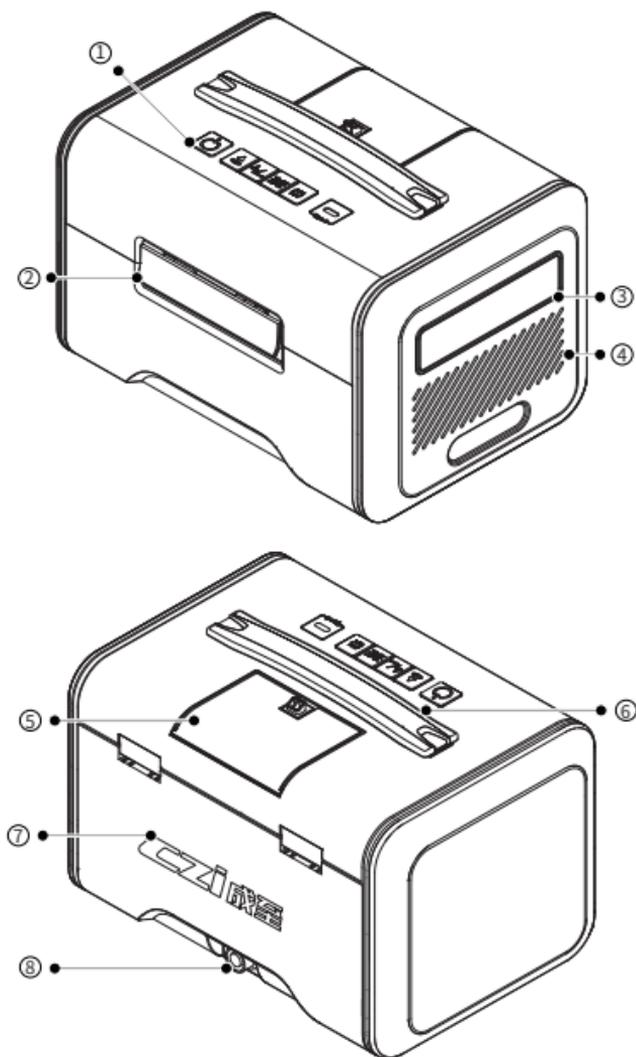
Weighing only 3.5kg (combined air and ground units), the CZ10 is easily carried and deployed by a single operator. The system is exceptionally user-friendly—requiring no formal training—and can be fully deployed from backpack to operation in just 3 minutes. Unlike traditional lighting drones, the CZ10 supports dual-mode operation (mobile app and ground station), offering fast and flexible control for field operations.

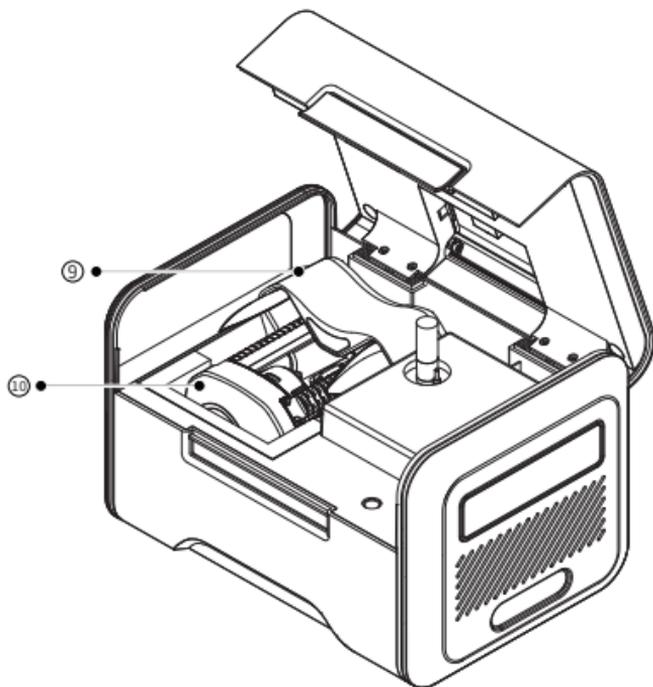
Product Specifications

Product Name	CZ10 Hover Light	
Electrical interface	Aviation connector	
Total System Weight	3350g	
Airborne unit	241g	
Ground station	2550g	
Airborne unit Deployment	273×273×61mm	
Airborne unit Folding	117×117×127mm	
Ground Station	250×173×165mm	
Rated Airborne Light Power	≤100W	
Max Arm Light Brightness	16000lm	
Illumination Coverage (10m)	1300m ² (with 3 lx as the illumination boundary)	
Ground Flashlight Power	20W	
Lighting Modes	Ambient, Red/Blue Strobe, SOS	
Arm Indicator Light	Dual-color (Red-Green) LED	
Hovering Accuracy	±10m	
Maximum Flight Altitude	±10m	
Maximum Wind Resistance	8m/s	
Positioning System	RTK (BDS+GPS+Galileo+GLONASS+QZSS)	
Operating Temperature	-10°C~+40°C	
Maximum Operating Altitude	3000m	
Control Methods	Dual-mode Control (APP/Ground Station)	
Integrated Battery	2500mAh\14.8V	
Power Adapter	InPut:100-240V~50/60Hz 5.0A MAX OutPut:48.0V/5.0A 240W	

Appearance Description

Ground Station





① control panel

② Tether Cable Protective Flap

③ Carry Handle

④ Lamp Panel

⑤ Cooling Vents

⑥ Latch

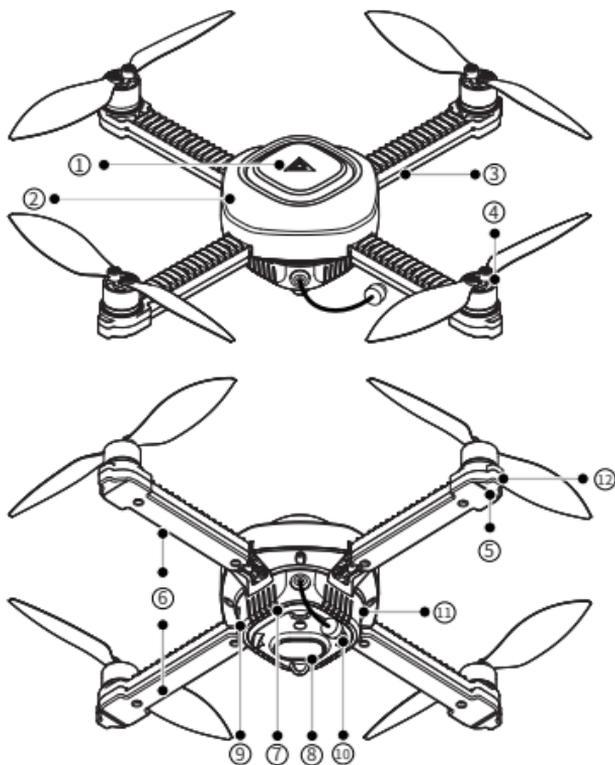
⑦ CZI LOGO

⑧ Power Port

⑨ Storage Sleeve

⑩ Airborne

Airborne

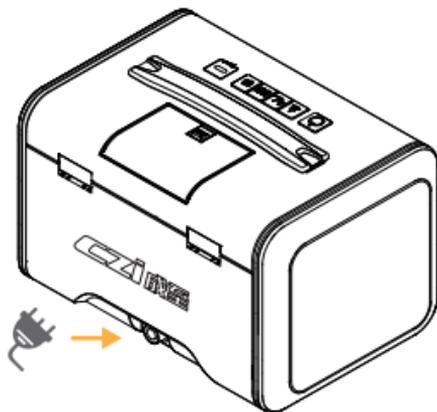


- | | |
|-------------|-----------------------------|
| ① CZI LOGO | ⑦ Frame Cooling Vents |
| ② Frame | ⑧ Laser Optical Flow Module |
| ③ Arm | ⑨ Type-C Port |
| ④ Propeller | ⑩ Tether Cable Port |
| ⑤ Motor | ⑪ Reset Pinhole |
| ⑥ Arm Light | ⑫ Status Indicator |

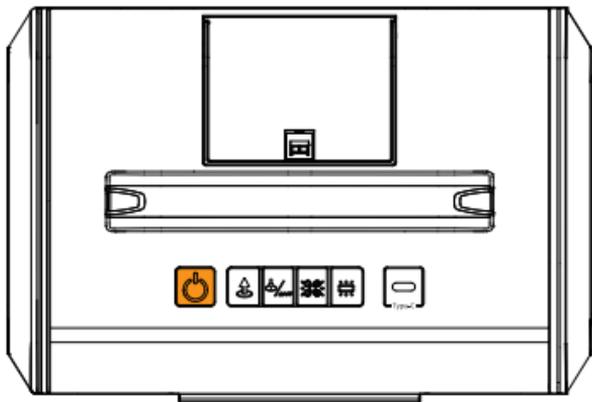
Usage Tutorial

Ground Station Control

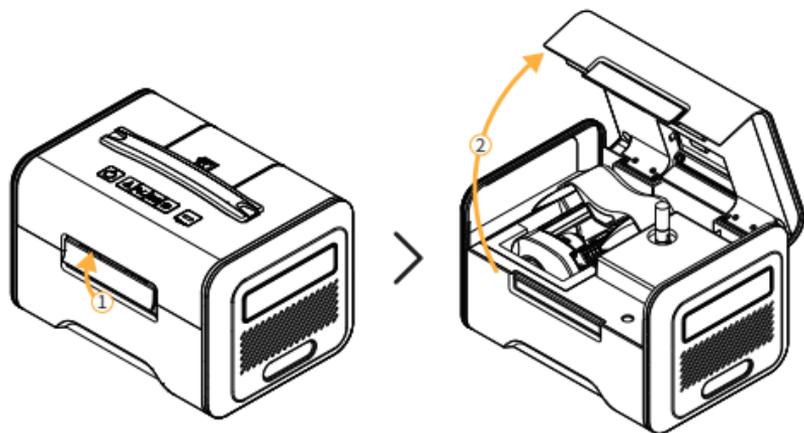
1. Connect power source.



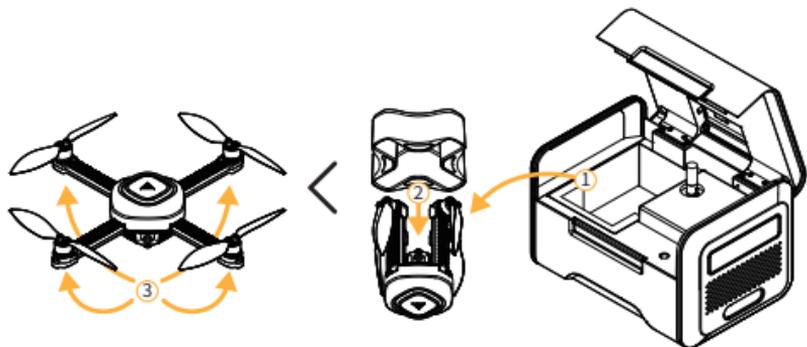
2. Press and hold the power button for 3 seconds to power on the device.



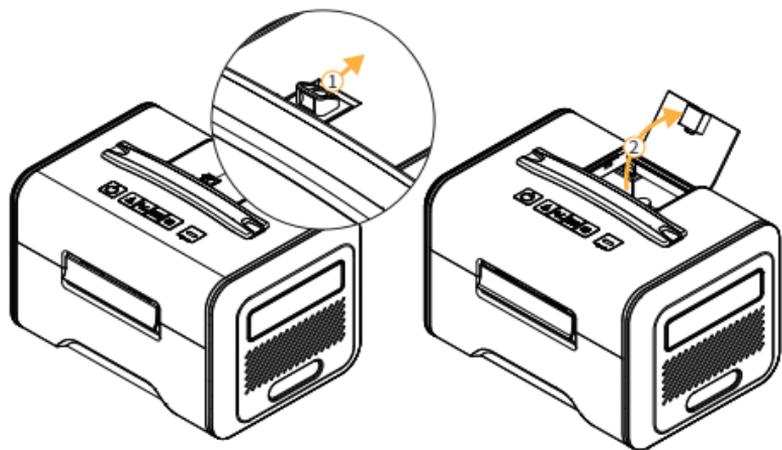
3. Open Ground Station cover.



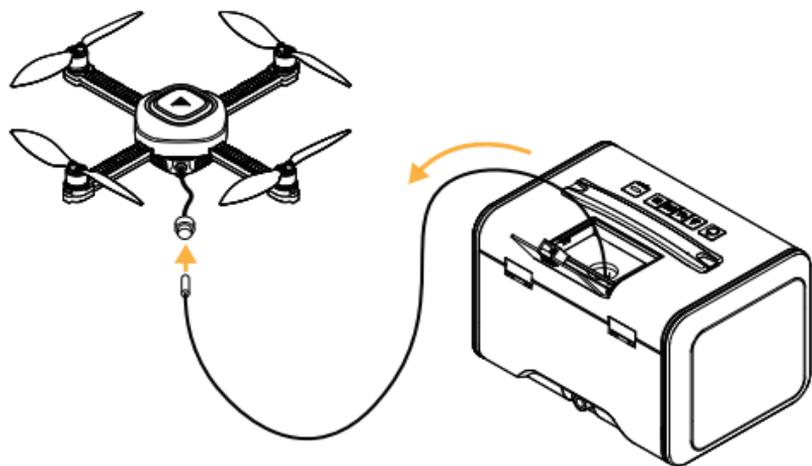
4. Remove Airborne unit from Ground Station and unfold.



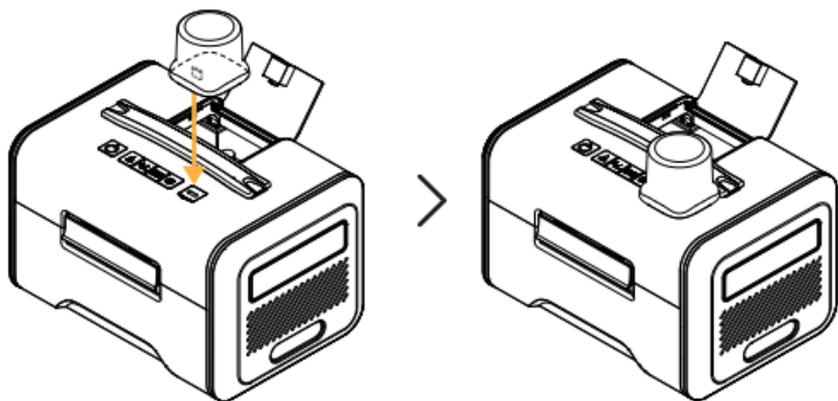
5. Press the clip to open Tether Cable Protective Flap.



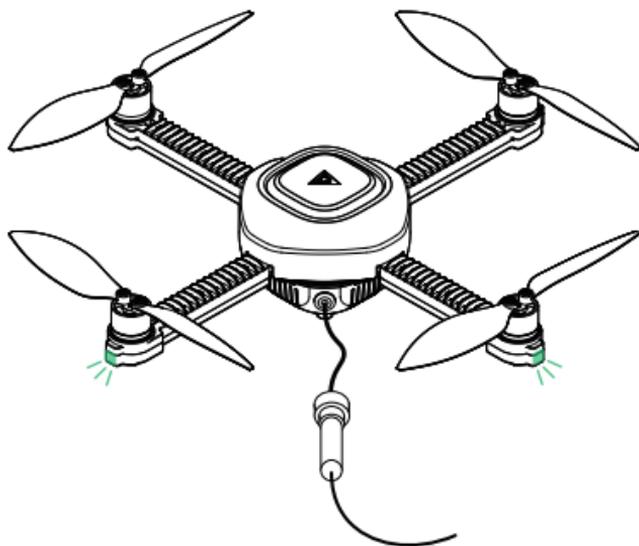
6. Pull the tether cable out until you reach the fluorescent marker indicator.



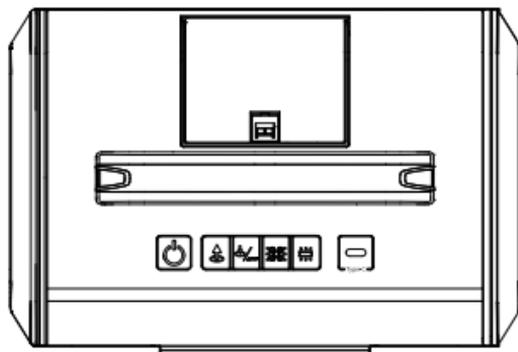
7. Connect RTK module.



8. Connect tether cable to Airborne unit.

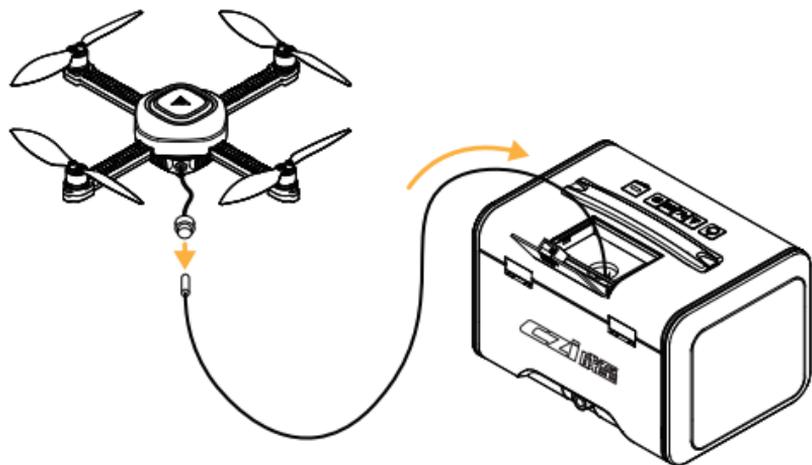


9. Ground Station controls.

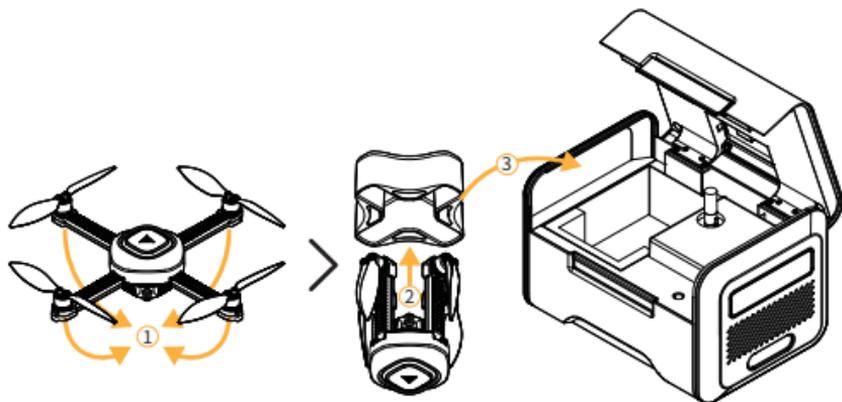


	Power Button	<p>Press and hold the power button to power on/off. After powering on, press the button twice to enter network configuration mode and use the app to connect.</p> <p>Power indicator status: Green: battery > 70%; Blue: battery > 40%; Red: low battery</p> <p>The power indicator flashes while charging.</p>
	Take off Button	<p>Press and hold the takeoff button for airborne unit one-touch takeoff. The lights will flash.</p>
	Landing / Tether Recovery Button	<p>Press and hold the landing button for airborne unit one-touch landing and tether recovery. The lights will flash.</p> <p>Press and hold the landing button to recover the tether.</p>
	Airborne Light Control	<p>Long press to turn light on/off Short press to adjust brightness</p>
	Ground Station Light Control	<p>Long press to turn light on/off Short press to adjust brightness</p>

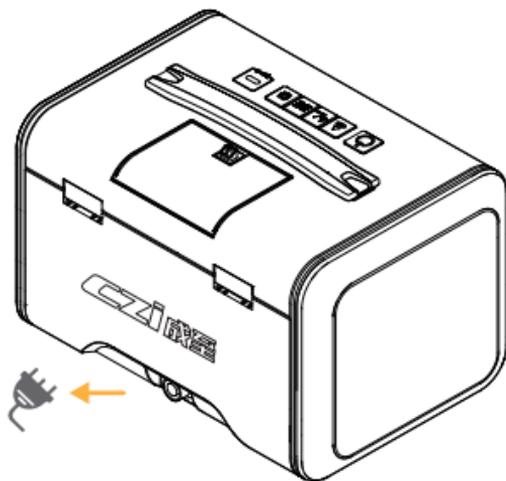
10. Disconnect the cable from the Airborne unit; it will retract automatically.



11. Place the Airborne unit into its protective sleeve and return it to the Ground Station. Close the cover.



12. Long-press power button to shut down, disconnect power.



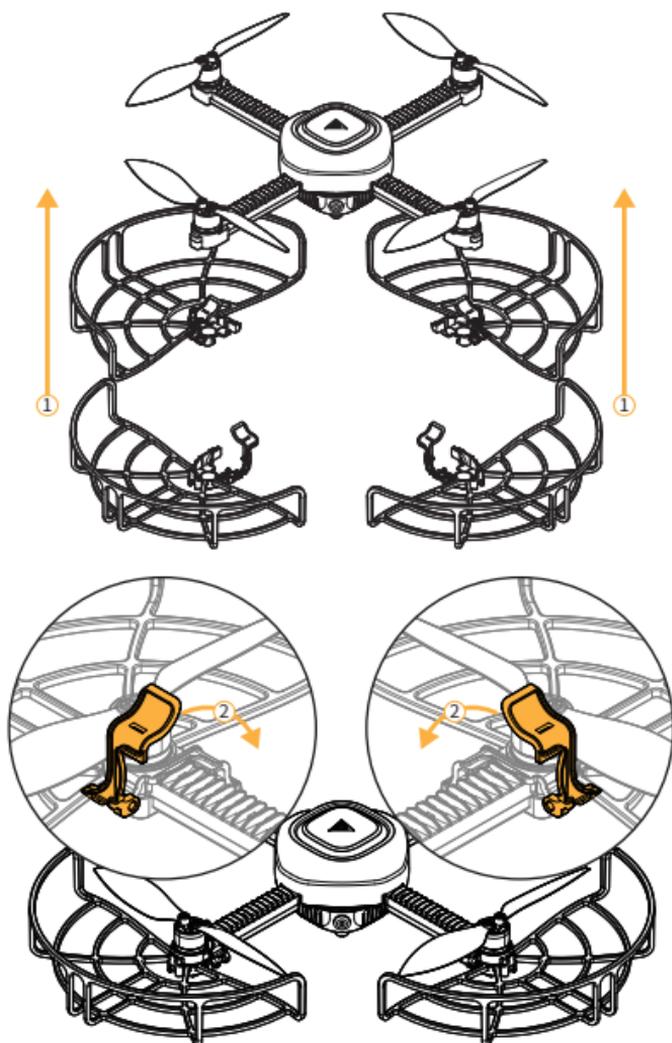
APP Control

Scan the QR code below to download the corresponding system app (ChengZhi Website->Support->Download center->APP download).



Propeller Guard Installation Tutorial

Attach the propeller guard as illustrated, then fasten it with the locking clip.



Product Maintenance

1. Disconnect the power source when the system is not in use.
2. Unplug all power connectors before cleaning.
3. Use a dry cloth to wipe surfaces. Store the device in a cool, dry place.
4. Regularly clean the cooling vents on both the Airborne and ground units to ensure proper ventilation and avoid overheating.

Packing List

CZ10 Full System	1
Power Adapter	1
User Manual (with Warranty Card)	1
Replacement Propeller Set (2 CW + 2 CCW)	1
Propeller Guard Set	1
RTK Module	1
Backpack	1

产品合格证

本产品经检验符合技术标准

Product Certificate of Conformity

This product has passed inspection
and meets all technical standards.

产品名称	系留浮空灯 Hover Light
产品型号 MODEL	CZ10
检验员 QC	

产品保修卡

广州成至智能机器科技有限公司, 致力于为用户提供优质的产品服务!

自购买产品之日起7日内, 发生性能故障的, 可退货、换货或维修;

自购买产品之日15日内, 发生产品性能故障的, 可换货或维修;

产品三包有效期内发生性能故障的, 可享受免费维修服务。

当您需要我们提供技术支持及了解更多产品信息时, 请联系我们!

联系电话: 400-008-8306

地址: 广州市天河区广汕一路银湖创意园龙林中街5号广州成至智能机器科技有限公司

Product Warranty Card

CZI is committed to providing users with quality product services!

Within 15 days from the date of purchase of the product,
performance failures occur, can be returned, exchanged or repaired;

product warranty validity period of performance failures occur,
you can enjoy free repair services.

When you need us to provide technical support and learn more
product information, please contact us!

TEL : +86-400-008-8306

Web Site : <https://czi.com.cn/en>

成至技术支持

www.czi.com.cn

服务热线：400-008-8306

如您对说明书有任何疑问或者建议

请通过以下电子邮箱联系我们：

czzn@czi.com.cn

ChengZhi Support

www.czi.com.cn

Service hotline: 400-008-8306

If you have any questions or suggestions
about the instructions, Please contact us
through the following email address:

czzn@czi.com.cn



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