SmallRig

LED Video Light - RC220D

User Manual

Foreword

Thank you for choosing SmallRig RC220D LED Video Light.

Warnings

1. Please read this User Manual carefully.
2. Keep this User Manual and always include it when passing the product onto the third party.
3. Heed all warnings and follow all instructions in this User Manual.
4. Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.
5. Care must be taken as burns can occur from touching hot surfaces.
6. Do not operate the fixture if a cord is damaged or if the fixture has been dropped or damaged until it has been examined by qualified service personnel.
7. Position any power cables so that they will not be tripped over, pulled or put into contact with hot surfaces.
8. If an extension cord is necessary, a cord with an amperage rating at least equal to that of the fixture should be used. Cords rated for less amperage than the fixture may overheat.
9. Always unplug the lighting fixture from the electrical outlet before cleaning and servicing or when not in use. Never yank the cord to remove the plug from the outlet.
10. Let the lighting fixture cool completely before storing.
11. To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
12. To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact smallrig@smallrig.com or take it to qualified service personnel when service or repair work is required.
13. Focalized optical conical snoot is not recommended to use with the light, or it will burn the COB chips.

14. Power this fixture by connecting it to a grounded outlet.
15. Please remove the protection cover before powering the light.
16. Please remove the EVA protection cover before using the reflector.
17. Please do not block the ventilation and do not look at the light directly when it is powered on.

18. Please do not place the LED lighting fixture near any liquids or other flammable objects.
19. Only use a dry microfiber cloth to clean the product.
20. Please have the product checked by an authorized service personnel agent if your product has a problem.
21. The malfunctions caused by unauthorized disassembly are not covered under the warranty.
22. We recommend only using the original SmallRig cable accessories. Please note that our warranty for this product does not apply to any repairs required due to any malfunctions of unauthorized SmallRig accessories, although you may request such repairs for a fee.
23. This product is certified by CE, UKCA, RoHS, FCC, IC, TELEC, KC and RCM. Please operate the product in full compliance with the operation standards. Please note that this warranty does not apply to repairs arising from malfunctions, although you may request such repairs on a chargeable basis.
24. The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

FCC Compliance Statement

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

[Warning]

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

[Note]

This equipmet 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, 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 reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet in a different circuit than the receiver is connected to.
- Consult the dealer or an experienced radio / TV technician for help.

RF Warning Statement

This device has been evaluated to meet general RF exposure requirements.

FCC ID: 2AZWI-3473LEQI

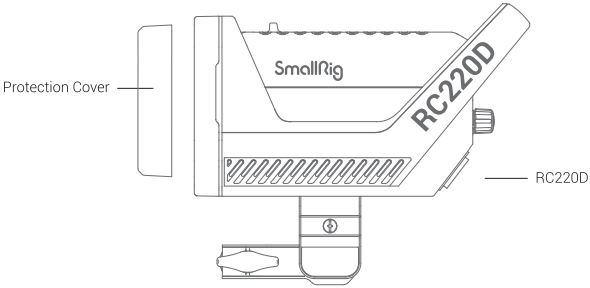
ISED Statement

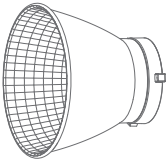
English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).
French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.
L'exploitation est soumise aux deux conditions suivantes :
(1) Cet appareil ne doit pas provoquer d'interférences.
(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.
l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b). This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.
This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.
Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.
RF Exposure
The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

IC: 27649-3473LEQI

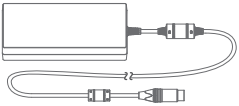
Check list

When you unbox the product, please make sure all the items below are included. Otherwise, contact with the seller immediately.

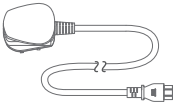




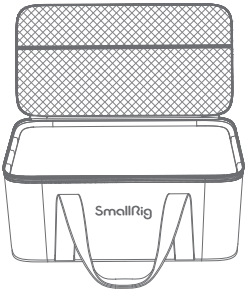
55°Hyper-Reflector



AC Adapter



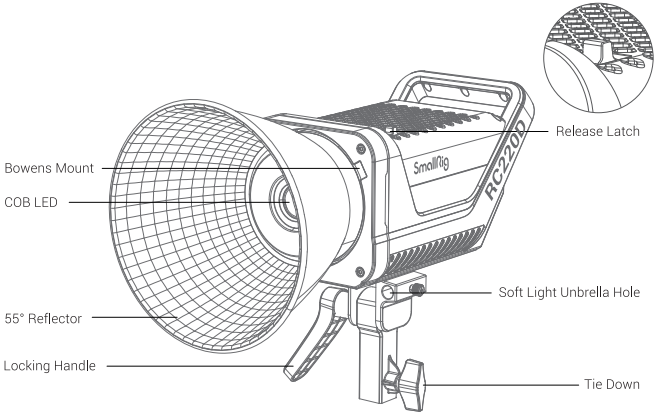
Power Cable

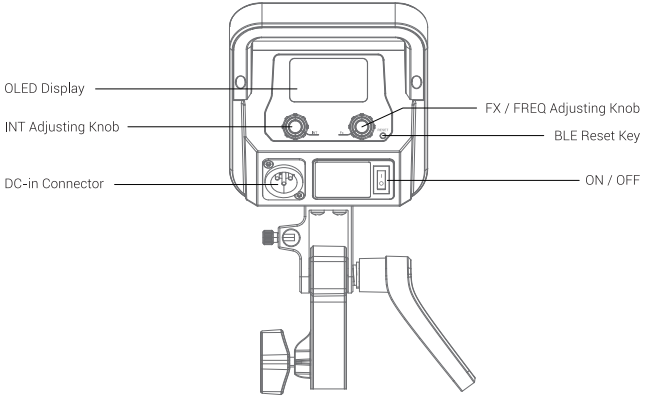


Carrying Bag

Product Details

1. Light

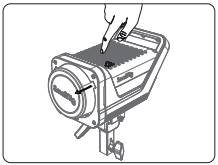


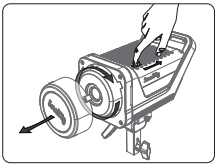


Installations

1. Attaching / detaching the protection cover

Push the handle of the lever in the direction of the arrow shown in the picture, and rotate the cover to pull it out. Reverse rotation will put into the protection cover.

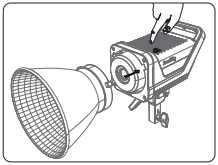


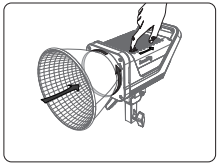


(* Notice: Always remove the protection cover prior to turning on the light. Always reinstall the cover when packing it away.)

2. Installation and removal of the reflector

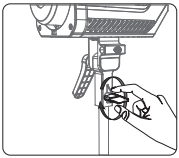
Push the lever handle according to the arrow direction in the picture and rotate the reflector into it. Rotating in the opposite direction pulls out the reflector.

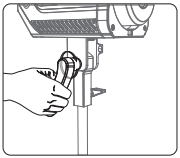




3. Setting up the light

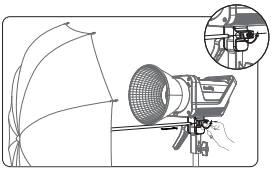
Adjust the light to the appropriate height, rotate tie-down to fix the light on the stand. Then,adjust the light to the required angel and tighten the lock handle.

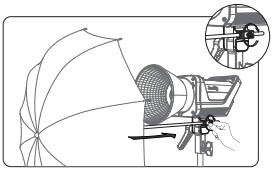




4. Soft light umbrella installation

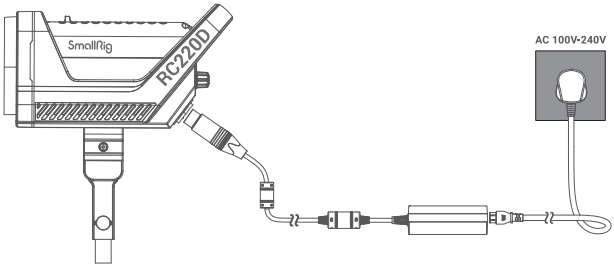
Insert the soft light handle into the hole and lock the knob on the hole.





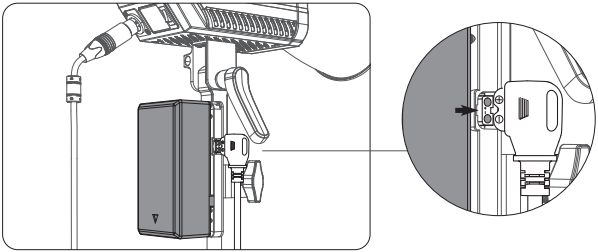
The Power Supply

1. Powered by AC



Notice: Please press the spring-loaded lock button on the power cord to remove the cord. Do not pull it out forcibly.

2. Powered by V-mount battery



Notice :

(1) Please press the spring-loaded lock button on the power cord to remove it. Do not pull it out forcibly.

(2) V-mount battery plate, battery, and power cable are not standard configurations and need to buy separately.

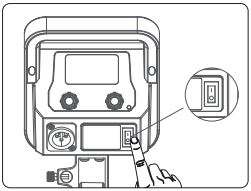
(3) The input voltage of the light is between DC 12V and DC 30V.

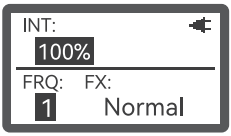
(4) The V-mount batteries that are 14.4V or 26V with the capacity above 150Wh are recommended to use with the light.

(5) When using the 14.4V V-mount battery or AC adapter under 20V, the maximum output will be reduced by 50%.

Operations

1. Press the power button to turn the light on and off.

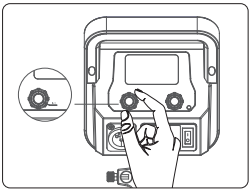


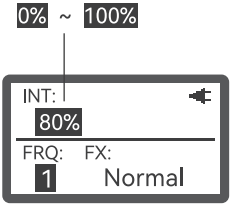


2. Manual control

2.1 Brightness adjustment

Rotate the INT adjusting knob to adjust the brightness with 1% variable and the brightness change range is 0~100%, the change of the brightness will be displayed in real time on the light body.



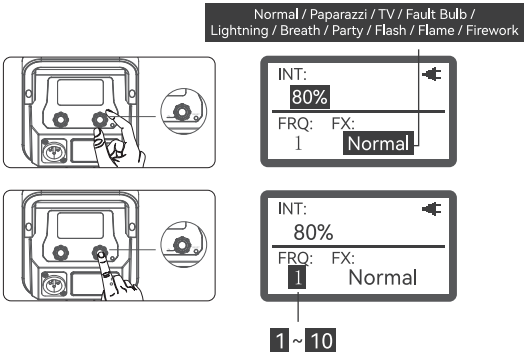


2.2 FX control

a. Rotate the FX knob on the right to get Normal and Paparazzi / TV / Fault Bulb / Lightning / Breath / Party / Flash / Flame / Firework , nine kinds of FX.

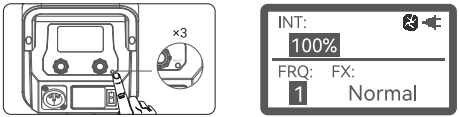
b. Shot Press the FX knob then switch to the frequency adjustment, the change range is 1~10.

Notice: The brightness of every FX can be set separately



2.3 Silent mode

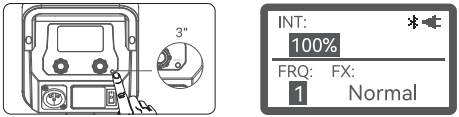
Press the Reset button for three times, the silent mode is ON. Press for another three times, then OFF.
Notice: the cooling fan stops working when in silent mode and the light also reduces the power.



3. BLE reset

3.1 Long press the Reset button for 3 seconds, the BLE icon will appear in the upper right of the LCD display. The icon flashes 6 times and the BLE is reset.

3.2 Then you can connect the light through SmallGoGo and control it again.



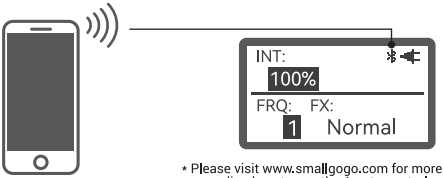
4. OTA mode

Firmware updates can be updated online via the SmallGoGo App for OTA updates.

5. App control

The user can download the SmallGoGo App and connect the the device named 220D-xxxxxx. After the light is controlled by the App, the BLE icon will be displayed on the upper right of the light LCD.

Notice: Please enable the mobile location function when using the App.



* Please visit www.smallgogo.com for more details regarding how to use the App to control you lights.

6. Using the SmallGoGo App

You can download the SmallGoGo App from the iOS App or Google Play Store for enhancing the functionality of the light.

Please visit www.smallgogo.com for more details regarding how to use the app to control you lights.

Operation Manual

App Download

Specifications

Light Operating Current	13A @20V	Power Consumption	260W
Light Power Supply	DC12 ~ 30V	Cooling Mode	Active Cooling
Adapter Power Supply	AC100 ~ 240V 50/60Hz	CRI	95+
TLCI	96+	App Control Type	BLE
Color Temperature	5600K ± 200K	Remote Ability	≤100m
Radio Frequency	2.4GHz	Power Supply	AC / V-Mount batteries
Size	240 × 122 × 237.6mm	Weight	2,850g ± 20g

Photometrics

CCT	Distance / Illumination	1m	3m	5m
5600K	Bare Bulb	939(fc)	109(fc)	43(fc)
		10100(lux)	1170(lux)	468(lux)
	Hyper-Reflector	9173(fc)	712(fc)	250(fc)
		98700(lux)	7660(lux)	2690(lux)

*This is an averaged result,the number might be slightly different on each light.

FCC ID: 2AZWI-3473LEQI
IC: 27649-3473LEQI

R 210-180770

IS 10322 (PART 5/SEC 1) : 2012

R-41238015
www.bis.gov.in

R-R-LQS-RC 120D

株式会社成洋

Made in China

Service Warranty

Please keep your original receipt and guarantee card. Be sure the dealer has written on it the date of purchase and SN of the product. These are required for warranty service.

After-sale warranty terms:

1. 7 Days DOA Return Policy: Within 7 days from the date of the package receipt, return or replacement can be done if the item received is malfunctioning or physical damaged (not caused by human abused), return shipping cost will be on SmallRig's charge.

2. SmallRig products are entitled to warranty services as of the date of payment.
- Electronic products: 1-year warranty, 1-year free warranty service.
- Non-electronic products: 2-year warranty, 2-year free warranty service.

Note: In case of any conflict between our warranty period policy and applicable laws and regulations of the country/region where the products are sold, the latter shall prevail.

This warranty does not cover:

1. Defect caused by users' violation of the "Warnings" and "Intended Use".
2. The product identification or SN label is removed or defaced in any way.
3. Product damage caused by problems not attributable to the quality of the products such as improper use of the products.
4. Product damage caused by unauthorized modification, disassembly, repair and other acts.
5. Product damage caused by fires, floods, lightning and other force majeure factors.

Warranty Mode:

For the products within the scope of warranty, SmallRig will repair or replace them on the basis of specific failures; the repaired/replaced products/parts are entitled to the remaining part of the original warranty period.

Contact Information:

- You're advised to contact the online customer service personnel of corresponding shopping platform and submit a repair service application.
- You may also apply for repair service through SmallRig's service email.

Service Email: support@smallrig.com
For more support information: www.smallrig.com/support

Guarantee Card

ID No.	
Item Name	
Purchase Date	
User Name	
Mobile	
Address	
Receipt	

EC	REP	Prolinx GmbH Brehmstr.56,40239 Duesseldorf Germany eu@eulinx.eu

UK	REP	Prolinx Global LTD 27 Old Gloucester Street London,WC1N3AX, UK eu@eulinx.eu

www.smallrig.com

Manufacturer: Shenzhen Leqi Network Technology Co., Ltd.
Add: Rooms 103, 501 and 601, Building 5, Fenghe Industrial Park, Nos. 1301-50 Guanguang Road, Longhua District, Shenzhen, Guangdong, China.

Consignor: Shenzhen LC Co., Ltd
Add: Rooms 602, Building 5, Fenghe Industrial Park, No. 1301-50 Guanguang Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen, Guangdong, China.

SmallRig

摄影补光灯 – RC220D

用 户 手 册

前言

感谢您购买 SmallRig RC220D 摄影补光灯。

重要提示

1. 请认真阅读本用户手册。
2. 请妥善保管用户手册，将产品交给他人使用时，请务必附带本用户手册。
3. 请注意所有警告提示并遵守用户手册内的所有指令。
4. 当儿童靠近设备或使用设备时，必须进行密切监督。在使用设备时，请勿将设备置于无人看管状态。
5. 小心接触高温部件防止被烫伤。
6. 请勿操作电源线损坏的设备以及掉落或损坏的设备，直到合格的维修人员检查过。
7. 请归置好电源线，防止被电源线绊倒或拉扯电源线导致设备断电，且电源线不可接触灼热表面。
8. 如果需要延长线，应使用额定电流至少等于设备额定电流的延长线。
   额定电流小于设备的电线可能会过热。
9. 在清洁和维修之前以及不使用时，务必从电源插座上拔下电器插头。
   切勿拉扯电线从插座拔出插头，应抓住插头拔出。
10. 在存放前让设备完全冷却。存放时，请将电源线从设备上拔出，待冷却后归置在手提包对应的位置。
11. 为降低电击风险，请勿将本产品浸入水中或其他液体中。
12. 为降低电击风险，请勿私自拆卸本产品，在需要维修时，将其交给专业的维修人员。
    不正确的重装可能会在后续使用设备时引起电击。
13. 不建议搭配内部有反光结构的聚光筒使用。

14. 请将本产品连接到接地插座。
15. 使用前请将保护罩取下。
16. 使用标准罩前，请将标准罩内部的EVA内托取下。
17. 本产品工作时，请勿遮挡散热孔，勿直视COB灯珠；
    任何情况下不要触摸COB灯珠。

18. 勿将本产品置于液体或其他易燃，易挥发溶剂附近，避免损坏产品。
19. 请用软布、干布清洁本设备。
20. 请勿在潮湿的环境下使用本设备，否则有短路或电击的危险。
21. 需要维修时请联系授权的维修人员。本设备内有精密电子线路。未经许可，擅自拆卸导致故障，
    不在本公司保修范围内，但用户可以付费维修。
22. 本产品已通过CE,UKCA,RoHS,FCC,IC,TELEC,KC和RCM等认证，请参考相关国家标准使用和操作。
    因操作不当而造成机器损坏，不在保修范围内，但用户可以付费维修。
23. 此使用指南依据本公司严格测试制定。设计和规格如有变更，恕不另行通知。

FCC符合声明

此设备符合FCC规则第15部分中的规范。操作设备须符合以下两个条件:

（1）此设备不会导致有害干扰;

（2）此设备可承受任何外来干扰，包括可能导致非预期操作的干扰。

【警告】

如果用户未经SmallRig明确许可而进行改动或改装，可能会丧失继续操作该设备的权利。

【注】

此设备经测试确定符合B类数码设备（依照FCC规则第15部分规范）的限制。这些限制的设计旨在为居住场所安装条件下的有害干扰提供合理的保护。此设备生成、使用并可以发射射频能量。如果未按照指示安装和使用，可能对无线电通信造成有害干扰。但是，在特定安装条件下，不保证这类干扰不会发生。如果此设备确实对无线电或电视机接收信号造成有害干扰，而这点可以通过关闭和打开设备来确定，那么建议用户尝试使用以下一种或多种措施来消除干扰:

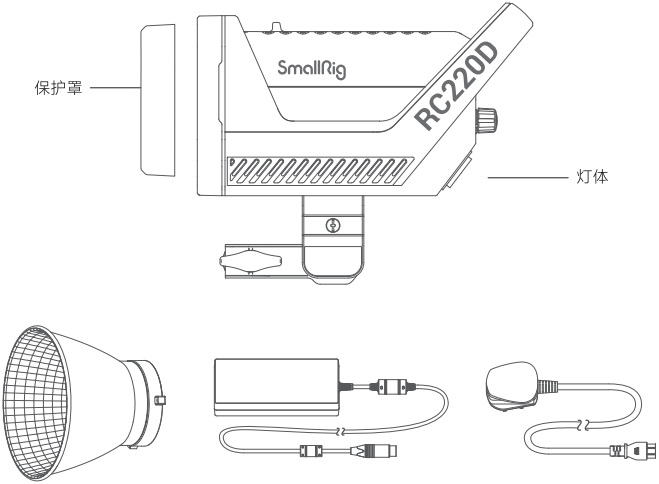
- 扩大设备与接收器之间的距离。
- 将设备连接到其他电路的插座中，而不是接收器所连接电路的插座。
- 咨询经销商或有经验的无线电 / 电视机技术人员以获得帮助。

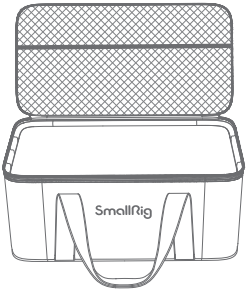
FCC辐射暴露声明

本设备符合FCC针对未受控制环境所制定的辐射暴露限制。

物品清单

使用本产品前，请检查包装内是否包含所有以下物品。如有缺失，请与经销商联系。

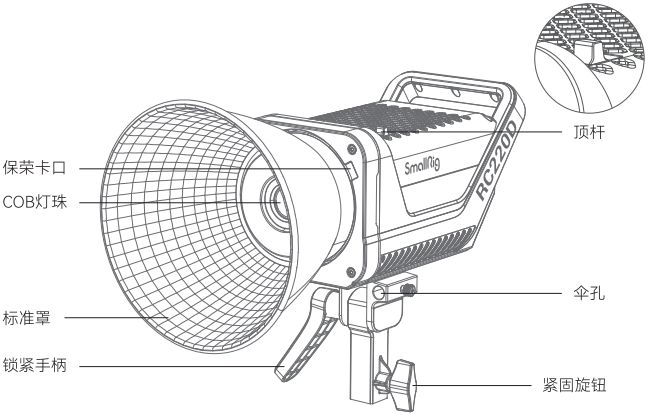


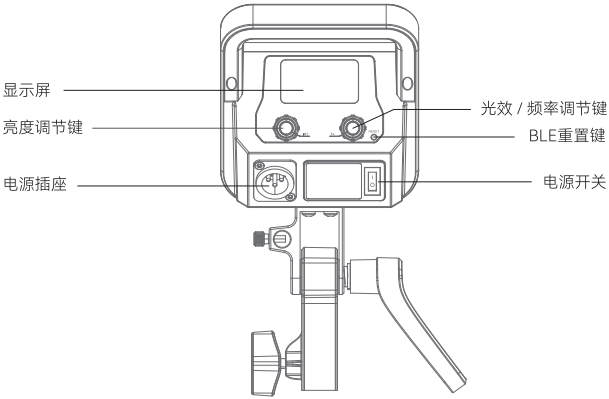


收纳灯包

产品视图

1. 灯体

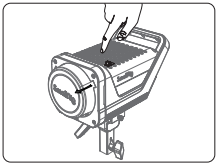

顶杆
保荣卡口
COB灯珠
SmallRig
RC-220D
伞孔
标准罩
锁紧手柄
紧固旋钮

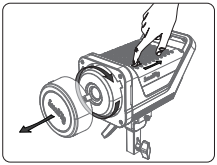

显示屏
光效 / 频率调节键
亮度调节键
BLE重置键
电源插座
电源开关

安装

1. 保护罩的拆卸与安装

按照图示箭头的方向拨动顶杆，同时将保护罩旋转拔出。反方向旋转则将保护罩装入。

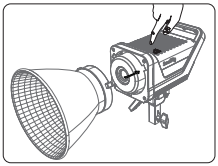


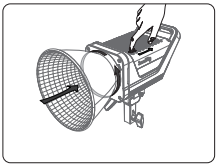


（* 使用前，请务必将保护罩拔出，否则会烧掉。不使用时，将保护罩装入以保护灯头。）

2. 标准罩的安装与拆卸

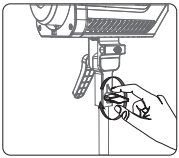
按照图示箭头的方向拨动顶杆，同时将标准罩旋转装入。反方向旋转则将标准罩拔出。

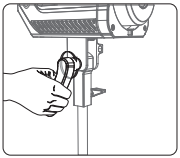




3. 固定灯体

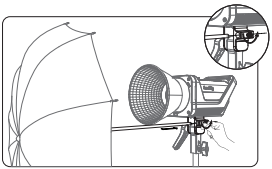
调节灯体到合适的高度，旋转紧固手柄固定灯体在三脚架上，再调节灯体到需要的角度，然后把手柄锁紧。

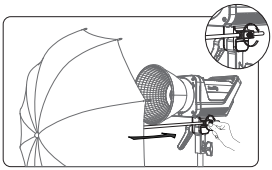




4. 柔光伞安装

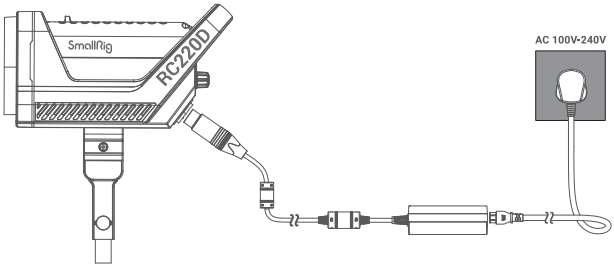
将柔光伞伞柄插入伞孔内，锁紧伞孔上的旋钮。





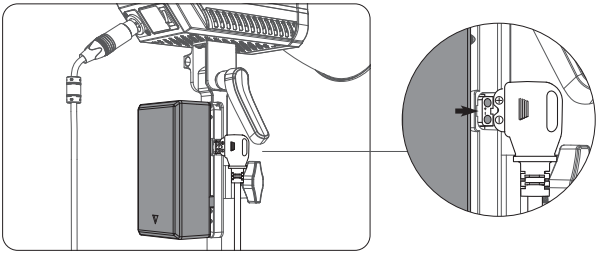
供电

1. 适配器供电



【注】： 拆卸电源适配器时，请按下电源线上的弹簧锁口按钮再拆卸，切勿硬拔。

2. V口电池供电

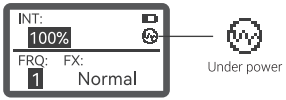


【注】： a - 电池、V口电池扣板和电源线非标配，需要单独购买

b - 输入电压范围：DC 12V~30V

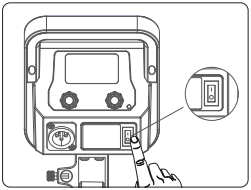
c - 建议搭配14.4V / 26V，150Wh及以上容量V口电池

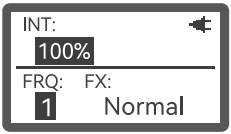
d - 使用14.4V 电池或低于20V的适配器供电时，最大输出功率自动降为全功率的50%



操作

1. 接通电源，打开灯体电源开关。

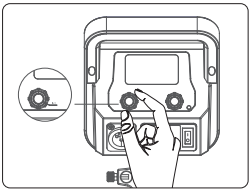


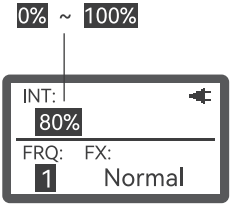


2. 手动控制

2.1 亮度调节

旋转左侧亮度调节旋钮，以1%的变量调节亮度，亮度变化范围为0~100%，并且在灯体显示屏上实时显示0~100%的变化。



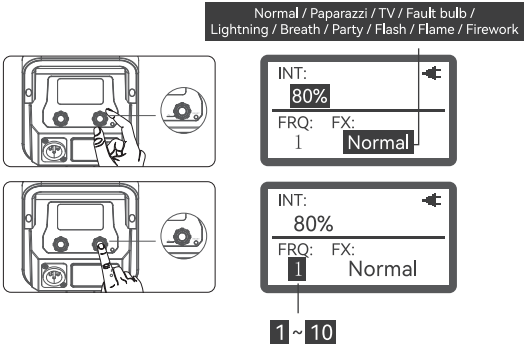


2.2 光效调节

a. 旋转右侧光效旋钮，可在狗仔队 / 电视 / 坏灯泡 / 闪电 / 呼吸 / 舞会 / 闪烁 / 火焰 / 烟花9种光效以及常规模式间循环切换。

b. 短按光效按钮，切换到频率调节，调节范围为1~10。

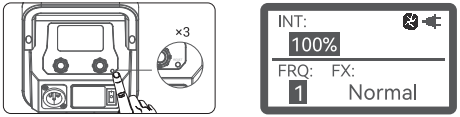
【注】：每个光效的灯光亮度均可单独设定



2.3 静音模式

连续按压Reset键三次，进入静音模式；再按三次，解除静音模式。

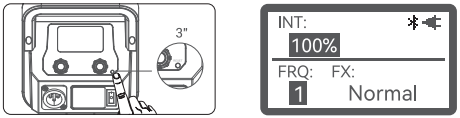
注：静音模式下，风扇停止转动，灯光降低功率。



3. 重置BLE

3.1 长按Reset键3秒后，屏幕右上方出现BLE图标，闪烁6次，完成BLE重置。

3.2 重置完成后，设备和灯可以重新连接。



4. OTA模式

固件升级可以通过SmallGoGo App进行在线升级更新。

5. App控制模式

用户可通过手机或平板下载SmallGoGo，连接名称为220D-xxxxxx的设备，连接成功后，屏幕右上角出现BLE图标，可无线控制设备。

【注】：使用App时，请打开手机定位功能。

* 更详细的App控制指南请访问www.smallgogo.com

6. SmallGoGo App的使用

您可以在App store和安卓市场搜索SmallGoGo下载专业控制软件来控制SmallRig灯具。

更多详细使用方法请访问：www.smallgogo.com/cn

操作手册

下载页

规格

灯体工作电流	13A @20V	功耗（MAX）	260W
灯体工作电压	DC12 ~ 30V	散热方式	主动散热
适配器工作电压	AC100 ~ 240V 50/60Hz	CRI	95+
TLCI	96+	APP控制方式	BLE
色温	5600K ± 200K	无线控制距离	≤100m
无线工作频率	2.4GHz	供电方式	适配器 / V口电池
尺寸（长×宽×高）	240 × 122 × 237.6mm	重量	2850g ± 20g

亮度测试数据表

CCT	距离 / 照度	1m	3m	5m
5600K	裸光源	939(fc)	109(fc)	43(fc)
		10100(lux)	1170(lux)	468(lux)
	标准罩	9173(fc)	712(fc)	250(fc)
		98700(lux)	7660(lux)	2690(lux)

*亮度数据为平均数据，不同灯的亮度会有微小差异

合格证
已检验

FCC ID: 2AZWI-3473LEQI
IC: 27649-3473LEQI

R 210-180770

IS 10322 (PART 5/SEC 1) : 2012
R-41238015
www.bis.gov.in

R-R-LQS-RC 120D

PS E
株式会社成洋

执行标准：GB 7000.1-2015

中国制造

保修条款

请保留您的原始购买单据及保修卡，同时包含您的购买日期、产品序列号等，这些资料质保服务时均需要提供。

售后质保条款

1. "七天无理由包退 / 换"：自签收之日起7日内，用户可以选择换货 / 退货。
2. SmallRig产品自下单付款之日起享有质保服务。
- 电子产品：1年质保，1年免费保修服务。
- 非电子产品：2年质保，2年免费保修服务。

注：若销售地国家或地区的适用法律法规有冲突的，以销售地国家或地区有关质保期的法律法规为准。

质保无效说明：

1. 当用户违反本用户手册中"重要提示""设备使用规范"任何一条导致的质量失效，不在质保范围。
2. 产品序列号标识已经被撕毁或无法辨识，不在质保范围。
3. 产品使用不当等非产品本身质量问题，而造成的产品损坏，不在质保范围。
4. 非官方指导的私自改装、拆解、维修等行为而造成的损坏，不在质保范围。
5. 因火灾、水灾、雷击等不可抗拒力造成的产品损坏，不在质保范围。

维修方式：

- 属于质保范围的，SmallRig根据产品具体的故障对产品进行维修或更换；维修后的产品 / 部件享受原有保修期的剩余时长。

联系方式：

- 建议您优先前往相应购买平台联系在线客服，提出产品维修申请。
- 您也可以通过SmallRig服务邮箱申请维修服务。

服务邮箱：support@smallrig.com
获取更多的服务信息：www.smallrig.com/support

保修卡

ID编号	
产品名称	
购买日期	
用户姓名	
用户电话	
用户地址	
购买单据	

www.smallrig.com

制造商: 深圳市乐其网络科技有限公司
地址: 中国广东省深圳市龙华区观澜街道新澜社区观光路 1301-50 号丰和工业园厂房 5 栋 103、501、601

委托商: 深圳市乐长科技有限公司
地址: 中国广东省深圳市龙华区观澜街道新澜社区观光路 1301-50 号丰和工业园厂房 5 栋 602