

**LKTOP**

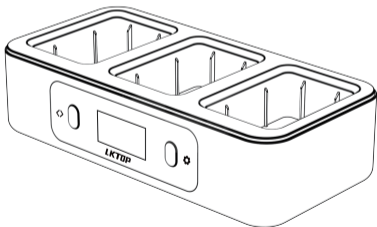
# 100W Avata 2 双向充电管家

## 100W Avata 2 Two-Way Charging Hub

User Manual

用户手册

V1.1 2025.07



## 免责声明

感谢您购买LKTOP 100W Avata 2双向充电管家(以下简称“充电管家”)。在使用充电管家之前,请仔细阅读本声明,一旦使用本产品,即被视为对本声明全部内容的认可和接受。请严格遵守本说明使用该产品,并务必重视注意事项。因用户使用不当充电器(包括但不限于:为非指定型号的电池充电,使产品短路、发热、进入异物,用手触碰端子等)而造成的直接或者间接损失与伤害,立刻飞概不负责。

LKTOP为立刻飞所有的注册商标。本文出现的产品名称、品牌等,均为其所属公司的商标或注册商标。本产品及手册为立刻飞版权所有。未经许可,不得以任何形式复制翻印。使用本产品及手册不会追究专利责任。本文档及本产品所有的相关文档最终解释权归立刻飞所有。

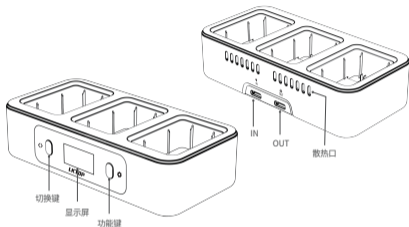
关于不同语言版本的免责声明可能存在差异,中国以中文版为准,其他地区以英文版为准。

## 注意事项

- 使用本产品之前,请仔细阅读并遵循本文及本产品相关的所有安全与合规操作指引。
- 请勿在阳光直射、雨淋或者潮湿环境中使用充电管家。
- 充电管家应远离热源、高压、水、可燃性气体、腐蚀剂等危险物品。
- 若遇火警,请正确使用干粉灭火器进行灭火,使用液体类灭火器可能会有触电危险。
- 严禁在雷电及雷雨天气中使用充电管家。
- 保持充电管家内部干燥,切勿进入水、油等液体。
- 进行充电时请勿堵住充电管家通风口,保持通风和散热。
- 充电时,请远离可燃物,切勿将充电管家或者电池置于地毯上充电。
- 使用时请将充电管家平稳放置,并注意绝缘及防火。
- 请勿用手或其他物体触碰电池接口的金属端子。若金属端子附着异物,请在电源关闭状态用干布擦拭干净。
- 充电管家仅适用于BWX520-2150-14.76智能飞行电池充电。请勿使用充电管家为其他型号电池充电。
- 确保将电池接口对准充电管家接口后轻按插入,否则可能导致电池损坏。
- 务必于合适的环境温度使用充电管家(建议5°C至40°C)。
- 移动或搬运充电管家时,不要拉扯充电管家电源线。
- 使用前,请确保电池接口、充电管家接口、电池表面干燥无水,再将电池连接充电管家。
- 禁止以任何方式拆解或损坏。




## 产品介绍

LKTOP 100W Avata 2 双向充电管家是一款集充电、放电、存储、收纳功能为一体的充电管家，支持轮充模式、并充模式、存储模式三种充电模式。可同时为三块智能飞行电池充电，配合智能飞行电池可通过OUT接口为遥控器或其他外部设备充电，为无人机用户提供更快更高效的充电体验。



IN	电池充电接口
OUT	支持USB-C PD协议的遥控器或手机等其他设备充电接口
显示屏	显示电压、电量、温度、循环次数等信息
切换键	短按：模式选择(轮充/并充/存储模式)
功能键	短按：确认当前选择 长按2秒以上：进入模式选择页面

## 产品介绍

功能	操作步骤
电池检测	显示屏熄屏时，短按功能键，显示屏将亮起并显示当前电池电量。 再次短按功能键，显示屏会依次显示电池电压、充放电电流、电池循环次数以及电池温度等信息。
轮充模式	充电过程中长按功能键2秒以上，进入模式选择页面， 短按切换键，选择“  TURN” 按下功能键进入轮充模式。 注：充电管家会智能检测电池剩余电量，优先充满电量最高的电池。
并充模式	充电过程中长按功能键2秒以上，进入模式选择页面， 短按切换键，选择“  PARALLEL” 按下功能键进入并充模式。 注：充电管家会智能检测电池剩余电量，以A电池（低电量）B电池（中等电量）C电池（高电量）为例，优先为A电池充电至与B电池电量相等，A、B电池同时充电至与C电池电量相等，A、B、C电池同时充电直至3块电池全部充满。
存储模式	充电过程中长按功能键2秒以上，进入模式选择页面， 短按切换键，选择“  STORAGE” 按下功能键进入存储模式。 注：在存储模式下，电量充至60%左右充电管家自动停止充电；当电池初始电量>60%时将不会进行充电。
放电模式	将电池插入充电管家长按功能键2秒以上进入放电模式。 注：充电管家会智能检测电池剩余电量，优先开启电量最低的电池放电。 若电池的剩余电量少于5%，则无法为外部设备供电（留意电池补电）。

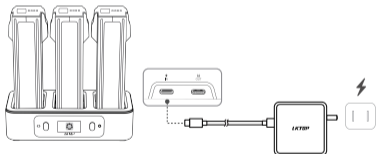
## 产品使用说明

### · 为智能飞行电池充电

本说明书以LKTOP 100W Avata 2双向充电管家和LKTOP 100W充电器为DJI Avata 2智能飞行电池进行充电示例，最多可连接三块DJI Avata 2智能飞行电池。

### · 轮充充电模式充电步骤

1. 将Avata 2智能飞行电池插入LKTOP 100W Avata 2 双向充电管家。
2. 将充电器连接到交流电源(100-240V,50/60Hz)，管家IN口连接至充电器。
3. 长按功能键2秒以上，短按切换键，选择“🔄 TURN”按下功能键进入轮充模式。
4. 充电状态下智能飞行电池电量指示灯将会循环闪烁，并指示当前电池电量。
5. 等待设备充满电后,请及时拔出相应电池，并关闭电源。




以LKTOP 100W Avata 2系列双向充电管家+LKTOP 100W充电器为例

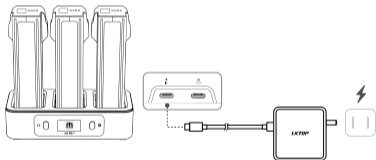
⚠️ 轮充模式: 充满首块电池耗时最短。

· LKTOP 100W Avata 2双向充电管家会智能检测电池剩余电量，优先充满电量最高的电池。

## 产品使用说明

### · 并充电模式充电步骤

- 1.将Avata 2智能飞行电池插入LKTOP 100W Avata 2 双向充电管家。
- 2.将充电器连接到交流电源(100-240V,50/60Hz)，管家IN口连接至充电器。
- 3.长按功能键2秒以上，短按切换键，选择“ PARALLEL”按下功能键进入并充模式。
- 4.充电状态下智能飞行电池电量指示灯将会循环闪烁，并指示当前电池电量。
- 5.等待设备充满电后,请及时拔出相应电池，并关闭电源。



以LKTOP 100W Avata 2系列双向充电管家+ LKTOP 100W充电器为例

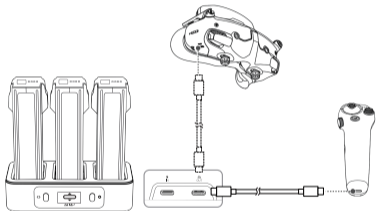
⚠ · 并充模式: 充满全部电池耗时最短。

· LKTOP 100W Avata 2双向充电管家会智能检测电池剩余电量,以A电池(低电量)B电池(中等电量)C电池(高电量)为例,优先为A电池充电至与B电池电量相等,A、B电池同时充电至与C电池电量相等,A、B、C电池同时充电直至3块电池全部充满。

## 产品使用说明

### · 将充电管家作为移动电源

1. 将Avata 2智能飞行电池开启后插入LKTOP 100W Avata 2 双向充电管家。
2. 在IN口没有接入电源情况下，连接外部设备（如手机、遥控器）至充电管家OUT接口。
3. 长按功能键2秒以上，进入放电模式。
4. 等待设备充满电后，请及时拔出电池、遥控器和其他外接设备。



以LKTOP 100W Avata 2系列双向充电管家+ DJI 穿越摇杆 3 / DJI 飞行眼镜 3为例

⚠ · 若电池的剩余电量少于5%，则无法为外部设备供电(留意电池补电)。

## 产品使用说明

### ·APP操作步骤

- 1.扫描右侧二维码下载“Polying”APP。
- 2.连接USB-C充电器到交流电源(100V-240V,50/60Hz)。
- 3.打开“Polying”APP并登录,将手机靠近运行的设备后,打开蓝牙开始连接手机(可以按照界面提示单击按键选择绑定或取消绑定)。
- 4.操作需要的功能(APP可以实时查看充电参数,调整模式)。
- 5.固件可以实时升级。



更多信息请关注  
LKTOP官网: WWW.LKTOP.CN

## 产品规格参数

产品名称:	LKTOP 100W Avata 2 双向充电管家
产品型号:	AC341
适用电池型号:	DJI Avata2智能飞行电池(BWX520-2150-14.76)
输入(IN):	5V-20V=5A 100W Max
输出(OUT):	5V=3A, 9V=3A, 12V=3A 36W Max
推荐充电器:	DJI 100W桌面充电器 (CDX265-100) LKTOP 100W充电器 (LCO-100W-CN/LCO-100W-NA) LKTOP 100W氮化镓多口充电器 (BPS-PD100K) LKTOP 100W氮化镓充电器 (LCY-100P) LKTOP 100W车载充电器(LKCC-100P) LKTOP 130W车载充电器 (LKC165P) LKTOP POWER K1 LKTOP POWER K1S
充电环境温度:	5°C-40°C
产品尺寸:	约127 x 62 x 33 mm(产品主机)
产品重量:	200g±10%(不包含线材重量)
包装尺寸:	142 x 66 x 37 mm

PS:本页面所示重量/尺寸信息均为手工测量,仅供参考。实际数据可能会因个体差异环境变化,或产品不同批次,迭代等原因造成变化,具体以实物为准。

## Disclaimers

Thank you for purchasing the LKTOP 100W Avata 2 Two-Way Charging Hub (hereinafter referred to as the "Charging Hub"). Before using the Charging Hub, please read this statement carefully. Once using this product, it is considered as recognition and acceptance of all the contents of this statement. Please strictly follow these instructions when using this product, and be sure to pay attention to the precautions. LKF is not responsible for any direct or indirect losses or injuries caused by improper use of the charger by the user (including but not limited to: charging batteries of non specified models, causing short circuits, heating, foreign objects entering the product, touching terminals with hands, etc).

LKTOP is a registered trademark of LKF Co., Ltd.(hereinafter referred to as the "LKF"). The product names and brands mentioned in this article are trademarks or registered trademarks of their respective companies. This product and manual are copyrighted by LKF. Without permission, no reproduction or reproduction is allowed in any form. The use of this product and manual will not be subject to patent liability, and the final interpretation rights of this document and all related documents of this product belong to LKF.

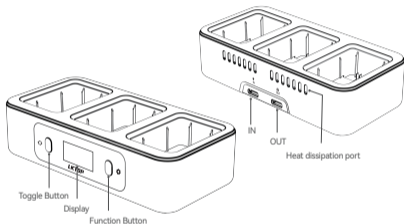
There may be differences in disclaimers for different language versions. The Chinese version shall prevail in China, and the English version shall prevail in other regions.

## Precautions for product use




- Before using this product, please carefully read and follow all safety and compliance operating instructions related to this article and this product.
- Do not use the Charging Hub in direct sunlight, rain, or humid environments.
- Charging Hub should stay away from dangerous items such as heat sources, high voltage, water, flammable gases, and corrosive agents.
- In case of a fire alarm, please use dry powder fire extinguishers correctly to extinguish the fire. Using liquid fire extinguishers may pose a risk of electric shock.
- It is strictly prohibited to use the Charging Hub during thunderstorms and thunderstorm weather.
- Keep the interior of the Charging Hub dry and avoid entering liquids such as water and oil.
- Do not block the ventilation port of the Charging Hub during charging, maintain ventilation and heat dissipation.
- When charging, please stay away from flammable materials and do not place the charging manager or battery on the carpet for charging.
- Please place the Charging Hub steadily and pay attention to insulation and fire prevention when using it.
- Do not touch the metal terminals of the battery interface with your hands or other objects. If foreign objects are attached to the metal terminals, please wipe them clean with a dry cloth when the power is turned off.
- The Charging Hub is only suitable for charging the BWX520-2150-14.76 smart flight battery. Do not use the Charging Hub to charge other types of batteries.
- Make sure to align the battery interface with the Charging Hub interface and gently insert it, otherwise it may cause battery damage.
- Be sure to use the Charging Hub at the appropriate ambient temperature (recommended 5 °C to 40 °C).
- When moving or transporting the Charging Hub, do not pull or tug on the power cord of the Charging Hub.
- Before use, please ensure that the battery interface, Charging Hub interface, and battery surface are dry and free of water before connecting the battery to the Charging Hub.
- Do not disassemble or damage in any way.

## Product introduction

LKTOP 100W Avata 2 Two-Way Charging Hub is a charging hub that integrates charging, discharging, storage, and storage functions. It supports three charging modes: wheel charging mode, parallel charging mode, and storage mode. It can charge three smart flight batteries simultaneously, and when combined with the smart flight battery, it can charge the remote controller or other external devices through the OUT interface, providing drone users with a faster and more efficient charging experience.



IN	Battery charging interface
OUT	Charging interface for remote controller or other devices such as mobile phones that support USB-CPD protocol
Display	Display information such as voltage, battery level, temperature, and number of cycles
Toggle Button	Short press: mode selection (wheel charging/parallel charging /storage mode)
Function Button	Short press: Confirm current selection Long press for more than 2 seconds to enter mode selection page

Function	Operation Steps
Battery Test	When the display screen is turned off, short press the function button, and the display screen will light up and show the current battery level. Short press the function button again, and the display screen will sequentially show information such as battery voltage, charging and discharging current, battery cycle times, and battery temperature.
Wheel Charging Mode	<p>During the charging process, long press the function button for more than 2 seconds to enter the mode selection page. Short press the switch button to select "  TURN " and press the function button to enter the wheel charging mode.</p> <p>Note: The charging hub will intelligently detect the remaining battery level and prioritize fully charging the battery with the highest charge.</p>
Parallel Charging Mode	<p>During the charging process, long press the function button for more than 2 seconds to enter the mode selection page. Short press the switch button to select "  PARALLEL " and press the function button to enter the parallel charging mode.</p> <p>Note: The charging hub will intelligently detect the remaining battery level. Taking A battery (low battery level), B battery (medium battery level), and C battery (high battery level) as an example, priority will be given to charging A battery to the same level as B battery level. A and B batteries will be charged simultaneously to the same level as C battery level, and A, B, and C batteries will be charged simultaneously until all three batteries are fully charged.</p>
Storage Mode	<p>During the charging process, long press the function button for more than 2 seconds to enter the mode selection page. Short press the switch button to select "  STORAGE " and press the function button to enter the storage mode.</p> <p>Note: In storage mode, when the battery is charged to around 60%, the charging hub will automatically stop charging; When the initial battery level is <math>\geq 60\%</math>, it will not be charged.</p>
Output Mode	<p>Insert the battery into the charging hub and press and hold the function button for more than 2 seconds to enter output mode.</p> <p>Note: The charging hub will intelligently detect the remaining battery level and prioritize discharging the battery with the lowest battery level. If the remaining battery power is less than 5%, it will not be able to supply power to external devices (pay attention to battery replenishment).</p>

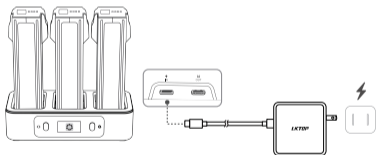
## Product Instructions

### · Charging the intelligent flight battery

This manual uses LKTOP 100W Avata 2 Two-Way Charging Hub and LKTOP 100W Charger as charging examples for DJI Avata 2 intelligent flight batteries, which can be connected to up to three DJI Avata2 intelligent flight batteries.

### · Charging steps for wheel charging mode

1. Insert the Avata 2 intelligent flight battery into the LKTOP 100W Avata 2 Two-Way Charging Hub.
2. Connect the charger to an AC power source (100-240V, 50/60Hz), and connect the butler IN port to the charger.
3. Long press the function key for 3 seconds, short press the switch key, select "⌚" and press the function key to enter the wheel charging mode.
4. The intelligent flight battery level indicator light will cycle and flash while charging, indicating the current battery level.
5. After the device is fully charged, please promptly unplug the corresponding battery and turn off the power.




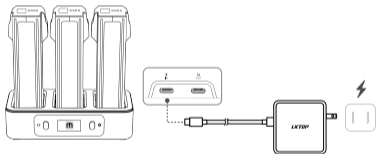
Taking LKTOP 100W Avata 2 Two-Way Charging Hub +  
LKTOP 100W Charger as an Example

- ⚠️ -Wheel charging mode: It takes the shortest time to fully charge the first battery.
- The LKTOP 100W Avata 2 Two-Way Charging Hub will intelligently detect the remaining battery level and prioritize fully charging the battery with the highest charge.


## Product Instructions

### · Charging steps in parallel charging mode

1. Insert the Avata 2 intelligent flight battery into the LKTOP 100W Avata 2 Two-Way Charging Hub.
2. Connect the charger to an AC power source (100-240V, 50/60Hz), and connect the butler IN port to the charger.
3. Long press the function key for 3 seconds, short press the switch key, select "  " and press the function key to enter the charging mode.
4. The intelligent flight battery level indicator light will cycle and flash while charging, indicating the current battery level.
5. After the device is fully charged, please promptly unplug the corresponding battery and turn off the power.



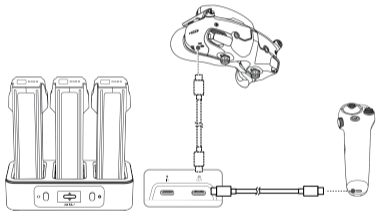
Taking LKTOP 100W Avata 2 Two-Way Charging Hub +  
LKTOP 100W Charger as an Example

-  - Parallel charging mode: It takes the shortest time to fully charge all batteries.
- LKTOP 100W Avata 2 Two-Way Charging Hub will intelligently detect the remaining battery level. Taking A battery (low battery level), B battery (medium battery level), and C battery (high battery level) as an example, priority will be given to charging A battery to the same level as B battery level. A and B batteries will be charged simultaneously to the same level as C battery level, and A, B, and C batteries will be charged simultaneously until all three batteries are fully charged.

## Product Instructions

### · Using Charging Butler as a Mobile Power Bank

1. Turn on the Avata 2 intelligent flight battery and insert it into the LKTOP 100W Avata 2 Two-Way Charging Hub.
2. Connect external devices (such as mobile phones or remote controls) to the Charging Hub OUT interface when there is no power connected to the IN port.
3. Long press the function button for 2 seconds to enter output mode.
4. After the device is fully charged, please promptly unplug the battery, remote controller, and other external devices.



Taking LKTOP 100W Avata 2 Two-Way Charging Hub +  
+DJI Crossover Joystick 3/DJI Flying Glasses 3 as an Example

⚠ - If the remaining battery power is less than 5%, it will not be able to supply power to external devices (pay attention to battery replenishment)

## Product Instructions

### ·APP operation steps

- 1.Scan the QR code on the right to download the "Polying" app.
- 2.Connect the USB-C charger to an AC power source (100V-240V, 50/60HZ).
- 3.Open the "Polying" app and log in. Place the phone close to the running device, then turn on Bluetooth to start connecting to the phone (you can follow the interface prompts to click the button to select bind or unbind)
- 4.Functions required for operation (the APP can view charging parameters in real-time and adjust modes).
- 5.The firmware can be upgraded in real-time.



For more information, please follow  
LKTOP official website: [WWW.LKTOP.CN](http://WWW.LKTOP.CN)

## Product specifications and parameters

Product Name:	LKTOP 100W Avata 2 Two-Way Charging Hub
Product Model:	AC341
Applicable Battery Model:	DJI Avata 2 Intelligent Flight Battery (BW520-2150-14.76)
Input (IN):	5V- 20V==5A 100W Max
Output (OUT):	5V==3A, 9V==3A, 12V==3A 36W Max
Recommended Charger:	DJI 100W Desktop Charger (CDX265-100) LKTOP 100W Charger (LCO-100W-CN/LCO-100W-NA) LKTOP 100W GaN Multi Port Charger (BPS-PD100K) LKTOP 100W GaN Charger (LCY-100P) LKTOP 100W Car Charger (LKCC-100P) LKTOP 130W Car Charger (LKC165P) LKTOP POWER K1 LKTOP POWER K1S
Working Temperature:	5°C- 40°C
Product Size:	Approximately 127 x 62 x 33 mm (product host)
Product Weight:	200g ± 10% (excluding wire weight)
Packaging Size:	142 x 66 x 37 mm

\*PS: The weight/size information shown on this page is manually measured and is for reference only. Actual data may vary due to individual differences, environmental changes, or product batches, iterations, and other reasons. Please refer to the actual product for details.

## Compliance Information

### · FCC 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 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.

Manufacturer : Shenzhen Lktop Technology Co., Ltd.

Manufacturer Add : Room 410, Baolu Qipei Business Center, No. 195 Chuangye 2nd Road, District 28, Dalang Community, Xin'an Street Bao'an District, Shenzhen , China.

Tel : +86-0755-29417665

Email : service@lktop.cn

# WE ARE HERE FOR YOU

## 在线技术支持



Scan Wechat  
Obtain Technical Support  
微信扫一扫 获取技术支持



Scan Wechat  
Follow LKTOP Official Account  
微信扫一扫 关注LKTOP公众号



Scan QR code  
Visit LKTOP Official Website  
扫描二维码 访问LKTOP官方网站

This manual is subject to updates without prior notice.

本手册如有更新,恕不另行通知。

You can check the latest version on the LKTOP official website

您可以在LKTOP官方网站查询最新版本

<https://www.lktop.cn>

If you have any questions or suggestions about the manual,  
please contact us via the following email:

如果您对说明书有任何疑问或建议,请通过以下电子邮箱联系我们:

[service@lktop.cn](mailto:service@lktop.cn)

LKTOP is a trademark of LKF.

LKTOP 是立刻飞的商标。

Copyright © 2025立刻飞版权所有