

**LKTOP**

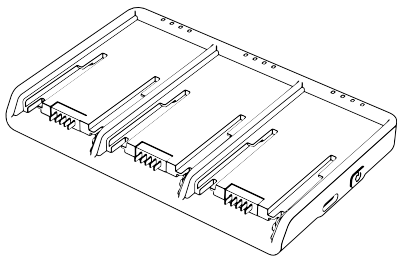
# Neo 双向充电管家

Neo Two-Way Charging Hub

User Manual

使用说明

V1.0 2025.01



## 免责声明

感谢您购买LKTOP Neo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。因用户充电管家使用不当而造成的直接或者间接损失与伤害,立可拓概不负责。

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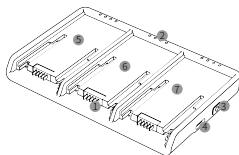
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## 注意事项

- 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电源。
- 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电源。
- 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器通风口,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。
- 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充电管家。

## 产品使用说明

LKTOP Neo双向充电管家是一款集充电、存储、收纳、放电功能为一体的充电管家,可同时为三块智能飞行电池充电,配合智能飞行电池也可作为充电宝,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。

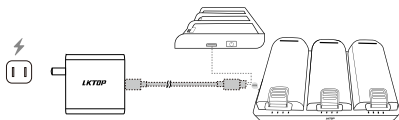


- ① 电池接口
- ② 状态指示灯(灯从右往左为LED1至LED4)
- ③ 功能按键
- ④ USB-C口
- ⑤ CH1插槽
- ⑥ CH2插槽
- ⑦ CH3插槽

功能:	操作步骤
电量显示:	短按功能键电池状态指示灯显示电池电量
60%模式:	充电过程中长按功能键2秒以上,电池状态指示灯前三格同时闪烁3次。 注:在60%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。
100%模式:	充电过程中默认开启100%模式。
充电宝模式:	将电池插入充电管家短按再长按功能键2秒以上(DJI智能飞行电池开机方式)进入充电宝模式。

## 满电100%模式充电步骤

- 1.将DJI Neo智能飞行电池插入到LKTOP Neo双向充电管家的电池接口。
- 2.将充电器连接至交流电源(100-240V,50/60Hz),再将LKTOP Neo双向充电管家USB-C口连接至充电器。
- 3.充电状态下,LKTOP Neo双向充电管家电量指示灯会循环闪烁,用于指示当前电池电量。
- 4.待电池充满后(充电管家4颗指示灯常亮),可根据需求及时取出电池或者放置于充电管家内收纳保存。



以LKTOP Neo双向充电管家+LKTOP 65W氮化镓快速充电器为例

充电器功率 $\leq 30W$

按照设备剩余电量顺序,从高至低依次轮流充电

$30W < \text{充电器功率} \leq 45W$

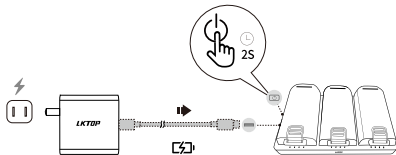
可同时为两块电池充电:先将电量最低的一块电池充到与电量最高的电池相同,再将两块电池一起充满。

充电器功率 $> 45W$

可同时为三块电池充电:先将电量最低的一块电池充到与电量中等的电池相同,再将这两块电池充到与电量最高的电池相同,再将三块电池一起充满。

## 存储60%模式充电步骤

- 1.将DJI Neo智能飞行电池插入到LKTOP Neo双向充电管家的电池接口。
- 2.将充电器连接至交流电源(100-240V,50/60Hz),再将LKTOP Neo双向充电管家USB-C口连接至充电器。
- 3.在充电状态下,长按按键2S以上,各通道三颗LED灯(由左至右)全亮且闪烁3次,进入存储充电模式。
- 4.存储模式充满电后(3颗LED指示灯常亮),请及时拔出相应设备。

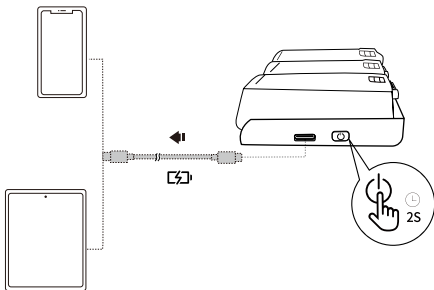


以LKTOP Neo双向充电管家+LKTOP 65W氮化镓快速充电器为例

- ⚠ 当电量大于60%不进行充电；  
充电管家断电后恢复快充充电模式，使用存储模式需再次长按功能按键；  
请使用USB-C To USB-C数据线给管家充电。

## 放电步骤 (充电宝模式)

- 1.将DJI Neo智能飞行电池插入LKTOP Neo双向充电管家CH1/CH2/CH3插槽。
- 2.连接外部设备(如手机、遥控器)至充电管家USB-C接口。
- 3.短按再长按功能键2秒后开始C口对外放电。(无人机电池开机方式一致)
- 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。



- ⚠ 放电状态下电池将按照剩余电量的由低到高依次进行放电；  
若电池的剩余电量 $\leq 7\%$ ，则该电池无法对外放电(为外部设备供电)。

## 产品规格参数

产品名称:	LKTOP Neo双向充电管家
产品型号:	NC036
输入(USB-C):	5V $\leq$ 3A, 9V $\leq$ 3A, 15V $\leq$ 3A, 20V $\leq$ 3.25A 65W Max
输出(USB-C):	5V $\leq$ 2A, 9V $\leq$ 2A 18W Max
适用电池:	DJI Neo智能飞行电池(BWX521-1435-7.3)
推荐充电器:	建议使用LKTOP 65W氮化镓快速充电器 LKTOP 65W 便携充电器 LKTOP 100W 桌面充电器 LKTOP 100W 氮化镓快充充电器 LKTOP 100W 车载充电器 LKTOP 130W 车载充电器 LKTOP POWER K1S DJI 100W 桌面充电器 DJI 65W 车载充电器 DJI 65W 便携充电器 或其他65W/100W PD协议充电器
充电环境温度:	5°C~40°C
产品尺寸:	115 x 75 x 15mm
包装尺寸:	123 x 78 x 30mm
产品重量:	75g $\pm$ 10% (不包含线材重量)

\*测试数据均为实验环境下(室温25°C情况下)测得,仅供参考。

PS:本页面所示重量/尺寸信息均为手工测量,有一定误差,属于正常现象,仅供参考。

## Disclaimers

Thank you for purchasing the LKTOP Neo Two-Way Charging Hub(hereinafter referred to as the "Charging Hub"). Before using the charging hub, please read this statement carefully. Once you use this product, it is deemed that you acknowledge and accept all the contents of this statement. Please strictly follow the instructions for using this product and pay close attention to the precautions. LKTOP is not responsible for any direct or indirect losses and injuries caused by improper use of the charging hub by the user.

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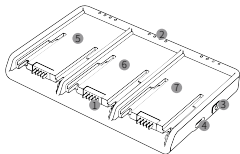
There may be differences in disclaimers for different language versions. The Chinese version shall prevail in China, and the English version shall prevail in other regions.

## Product Usage Precautions

- Before using this product, please read and follow all safety and compliance operation instructions in this document and related to this product.
- Do not use the charging hub in direct sunlight, rain, or damp environments.
- Keep the charging hub away from heat sources, high voltage, water, flammable gases, corrosive agents, and other hazardous materials.
- In case of a fire, use a dry chemical fire extinguisher correctly to put out the fire. Using a liquid fire extinguisher may pose an electrocution hazard.
- Do not use the charging hub during thunderstorms or rainy weather.
- Keep the inside of the charging hub dry and prevent the entry of water, oil, or other liquids.
- Do not block the ventilation holes of the charging hub during charging to ensure proper ventilation and heat dissipation.
- Keep away from flammable materials during charging and do not charge the charging hub or batteries on carpets.
- Place the charging hub stably when in use and pay attention to insulation and fire prevention.
- Do not touch the metal terminals of the battery interface with your hands or other objects. If any foreign matter is attached to the metal terminals, wipe them clean with a dry cloth while the power is off.
- Ensure that the battery interface is properly aligned with the charging hub interface before gently pressing it in. Otherwise, it may cause battery damage.
- Use the charging hub in a suitable ambient temperature (recommended between 5°C and 40°C).
- When moving or transporting the charging hub, do not pull on the power cord.
- Before use, 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 the charging hub in any way.

## Product Introduction

The LKTOP Neo Two-Way Charging Hub is an all-in-one charging solution integrating charging, storage, organization and discharging functions. It can simultaneously charge three intelligent flight batteries, and when paired with these batteries, it also serves as a power bank to charge remote controllers or other external devices, delivering faster and more efficient charging for drone users.

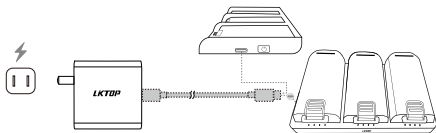


- ① Battery Interface
- ② Status Indicator Lights  
(The lights from right to left are LED1 to LED4)
- ③ Function Button
- ④ USB-C Port
- ⑤ CH1 Slot
- ⑥ CH2 Slot
- ⑦ CH3 Slot

Function:	Operation Steps
Battery Level Display:	Short press the function button and the battery status indicator light will display the battery level.
60% Mode:	<p>During the charging process, long press the function button for more than 2 seconds. The first three bars of the battery level indicator light will flash 3 times at the same time.</p> <p>Note: In 60% mode, when the battery is charged to around 60%, the charging hub will automatically stop charging; When the initial battery level is <math>\geq</math> 60%, it will not be charged.</p>
100% Mode:	During the charging process, the 100% mode is enabled by default.
Output Mode:	Insert the battery into the charging hub, short press and then long press the function key for more than 2 seconds (DJI intelligent flight battery power on method) Entering the power bank mode.

## 100% Full Charging Mode Steps

1. Insert the DJI Neo intelligent flight batteries into the battery interface of the LKTOP Neo Two-Way Charging Hub.
2. Connect the charger to an AC power source (100-240V, 50/60Hz), and then connect the USB-C port of the LKTOP Neo Two-Way Charging Hub to the charger.
3. During the charging process, the status indicator lights of the LKTOP Neo Two-Way Charging Hub will flash in a cycle to indicate the current battery charge level.
4. Once the battery is fully charged (when all four indicator lights on the charging hub are solid), you can remove the battery in a timely manner as needed or store it within the charging hub for safekeeping.



Taking the LKTOP Neo Two-Way Charging Hub and the LKTOP 65W GaN Fast Charger as an Example

Charger Power  $\leq 30W$

Charge the devices in sequential order from highest to lowest remaining battery level

$30W < \text{Charger Power}$   
 $\leq 45W$

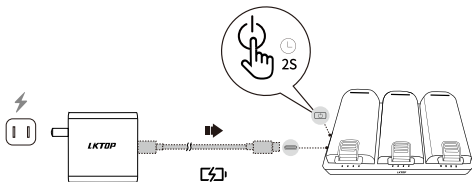
Supports simultaneous charging for two batteries:  
First, charge the lowest-power battery until it reaches the level of the highest-power battery then charge both batteries together to full capacity.

Charger Power  $> 45W$

Supports simultaneous charging for three batteries:  
First, charge the lowest-power battery until it matches the medium-power battery; then charge both of these batteries until they reach the level of the highest-power battery; finally, charge all three batteries together to full capacity.

## 60% Storage Mode Steps

1. Insert the DJI Neo intelligent flight batteries into the battery interface of the LKTOP Neo Two-Way Charging Hub.
2. Connect the charger to an AC power source (100–240V, 50/60Hz), and then connect the USB-C port of the LKTOP Neo Two-Way Charging Hub to the charger.
3. While charging, press and hold the button for more than 2 seconds. All three LED lights on each channel (from left to right) will light up and flash three times, entering the storage mode.
4. After the storage mode is fully charged (when the three LED indicator lights are solid), please promptly remove the corresponding device.

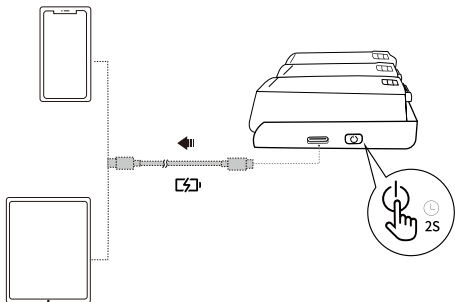


Taking the LKTOP Neo Two-Way Charging Hub and the LKTOP 65W GaN Fast Charger as an Example

- ⚠ No charging when the power is greater than 60%.  
 The charging hub will resume fast charging mode after a power outage.  
 To use storage mode, you need to long press the function button again.  
 Please use the USB-C to USB-C cable to charge the hub.

## Discharging Steps (Power Bank Mode)

1. Insert the DJI Neo intelligent flight batteries into the CH1/CH2/CH3 slot of the LKTOP Neo Two-Way Charging Hub.
2. Connect external devices (e.g. mobile phone, remote controller) to the USB-C port of the Charging Hub.
3. Short press and then long press the function button for 2 seconds to start the C port external discharge. (Same as DJI battery powerup method)
4. Wait for the device to be fully charged, please pull out the battery, remote controller and other external devices in time.



- ⚠** In a discharging state, the battery will discharge from low to high according to the remaining charge.  
If the remaining battery level is less than 7%, the battery cannot discharge to external devices.

## Product Specification

Product Name:	LKTOP Neo Two-Way Charging Hub
Product Model:	NC036
Input (USB-C):	5V $\leq$ 3A, 9V $\leq$ 3A, 15V $\leq$ 3A, 20V $\leq$ 3.25A 65W Max
Output (USB-C):	5V $\leq$ 2A, 9V $\leq$ 2A 18W Max
Applicable Battery:	DJI Neo Intelligent Flight Battery (BW521-1435-7.3)
Recommended Charger:	It is recommended to use LKTOP 65W GaN Fast Charger LKTOP 65W Portable Charger LKTOP 100W Desktop Charger LKTOP 100W GaN Fast Charging Charger LKTOP 100W Car Charger LKTOP 130W Car Charger LKTOP POWER K1S DJI 100W Desktop Charger DJI 65W Car Charger DJI 65W Portable Charger Or other 65W /100W PD (Power Delivery) protocol chargers
Charging Ambient Temperature:	5 $^{\circ}$ C~40 $^{\circ}$ C
Product Size:	115 x 75 x 15mm
Package Size:	123 x 78 x 30mm
Product Weight :	75g $\pm$ 10% (Excluding cable weight)

\*The test data are measured under the experimental environment (at room temperature of 25 $^{\circ}$ C) and are for reference only.

PS: The weight/size information shown on this page are all manual measurements, there is a certain degree of error, is a normal phenomenon, for reference only.

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