



DISCLAIMER AND SAFETY GUIDELINES  
免责声明及安全使用须知

**AirCross 2**

## Disclaimer and Warning

Thank you for purchasing the MOZA AirCross 2!

- This document is related to the safety use and legal rights of your equipment. Please read it carefully before the first use.
- By using this product, you are deemed to have read, understood, endorsed and accepted all the terms and content of this statement. You are solely responsible for the use of this product and the consequences thereof. You undertake to use this product for legitimate purposes and agree to the terms and any relevant regulations, policies and guidelines formulated by Shenzhen Gudsen Technology Co., Ltd. (hereinafter referred to as Gudsen). Gudsen is not responsible for damage, injury or any legal problems caused by the direct or indirect use of this product. Users should follow all safety guidelines including but not limited to this document.
- MOZA AirCross 2 is a professional videography equipment. Users need to have professional videography and safety knowledge, and need to be careful. Please read the user manual carefully before the first use.
- This product is not a toy and not suitable for use by minors. Do not allow children to operate this product.
- Do not use MOZA AirCross 2 with products or accessories that are not provided or recommended by Gudsen, and please strictly follow the safety guidelines in the product manual.
- The final interpretation of this document belongs to Shenzhen Gudsen Technology Co., Ltd. Updates are subject to change without notice. Please visit the official website [www.gudsen.com](http://www.gudsen.com) for the latest product information.

## Safety Guidelines

### 1. Battery Safety Instructions

The AirCross 2 is equipped with an M2S30QB smart battery. Do not use an unofficial battery to prevent the gimbal from working properly and causing unnecessary damage. When a backup battery is needed, please purchase the official battery. Please fully charge the new battery to activate it before the first use.

- Do not put the batteries into the water or get it wet!
- Do not charge the batteries under fire or extremely hot conditions!
- Do not use or store the batteries near heat sources such as fire or heaters! If the batteries leak or give off an odor, remove the batteries from the the open fire immediately!
- Do not use unqualified adapter to charge the batteries!
- Do not reverse the positive and negative poles!
- Do not put the batteries into fire or heat the batteries!

- Do not short the positive or negative pole with wires or other metal objects. Do not transport or store batteries with necklaces, hair clips or other metal objects!
- Do not pierce the battery case with nails or other sharp objects. Do not hammer or pedal the batteries!
- Do not hit, throw or shake the batteries!
- Do not solder the battery poles directly!
- Do not disassemble the batteries in any way!
- Do not put the batteries into microwave or pressure vessel!
- Do not use in combination with primary batteries(such as dry batteries) or batteries of different capacities, models or varieties!
- Do not use if the batteries emit odor, heat, deformation, discoloration, or any other abnormality; If the batteries are in use or charging, unplug the power adapter from the device and stop using it immediately!
- The batteries are only available for MOZA AirCross 2. Do not attempt to connect it to other products to avoid damage to the batteries or other equipment.

### **Battery Charging**

M2S30QB smart battery is equipped with a Type-C interface, supporting 5V2A low-speed charging and 9V2A high-speed charging, users can select the matched charger according to actual needs.

Please use the TYPE-C interface to charge the batteries and do not use external power sources such as wall outlet or car cigarette lighter to charge the batteries.

### **Battery Indicator**

The M2S30QB smart battery has 4 LED indicators. When it is in charging, 4 indicators will light up in turn; when it is removed and not charged, users can slightly shake it to check the battery level. Indicators will light up for 5 seconds and then automatically go off.

Indicator Status	Battery Level
● ● ● ●	75%-100%
○ ● ● ●	50%-75%
○ ○ ● ●	25%-50%
○ ○ ○ ●	0%-25%
○ ○ ○ ○	Out of power

### **Battery Protection**

The M2S30QB smart battery has under-voltage, overcurrent and overheat protection state. Battery protection state will be triggered by abnormal conditions such as overuse and short circuit. When the battery enters the protection state, it stops output and cannot be shaken to view the battery level. The battery can be unprotected by charging. Insert the charging cable, when indicators light up in sequence, users can use it again.

## Battery Storage

- The storage temperature for battery must be in the range of  $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$ .
- For long-term storage (more than 3 months), batteries must be placed in an environment with a temperature of  $-20 \sim 25^{\circ}\text{C}$  and a humidity of  $65 \pm 20\%$  RH.
- For long-term storage, batteries should be fully charged, and should be recharged once a month.

## 2. Motor Lock Use Instructions

The AirCross 2 is equipped with 3 motor locks that are used to secure the gimbal axes. After receiving the product, please check if the motor locks are in the locked position. Please unlock the gimbal axes first before using. Motor locks are used for:

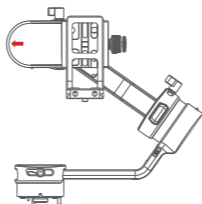
- a. Locking all three axes for easy carry.
- b. Securing certain axes when mounting the camera and adjusting the balance.
- c. Fixing the body to prevent collision and friction.
- d. Keeping good posture when placed statically.

**⚠ Note:**  
Violent rotation of each arm in the locked state may cause motor locks to malfunction; It is strictly forbidden to turn on the AirCross 2 in the locked state, otherwise it will cause motors to heat up and enter the protection state.

## 3. Notes for Abnormal Situation

### Wrong Camera Mounting Direction

The tilt axis of the MOZA AirCross 2 can be rotated  $360^{\circ}$ . When mounting the camera, please follow the red arrow indication to keep the elliptical end of the tilt axis aligned with the lens direction.



### Transportation Safety

The AirCross 2 contains sensitive accelerometers and gyro sensors that may experience sensor drift after severe vibrations. After receiving the product, please follow instructions in the manual to mount the camera. If the camera cannot keep level after turning it on, please calibrate the gyroscope and accelerometer to ensure normal use.

## 免责声明与警告

感谢您购买MOZA AirCross 2。

- 本文所提及的内容关系到您的设备使用安全以及合法权益，使用本产品之前，请仔细阅读本文档。
- 一旦使用本产品，即视为您已经仔细阅读<<免责声明与警告>>，理解、认可和接受本声明全部条款和内容。您承诺仅出于正当目的使用本产品，并且同意本条款以及深圳市固胜智能科技有限公司（以下简称固胜智能）制定的任何相关条例、政策和指引。固胜智能对于直接或间接使用本产品而造成的损坏、伤害以及任何法律责任不予负责。用户应遵循包括但不限于本文提及的所有安全指引。
- MOZA AirCross 2是复杂的摄影器材，使用者需具备一定的专业知识以及安全常识，并且需要小心使用。请先阅读MOZA AirCross 2用户手册，熟悉产品功能之后再使用。
- 本产品并非玩具，不适合未成年人使用，请勿让儿童接触本产品。
- 请勿将MOZA AirCross 2与非固胜智能提供、建议的产品配合使用，或者不按照产品文档所提及的安全指引使用。
- 本文档最终解释权归深圳市固胜智能科技有限公司所有。如有更新，恕不另行通知。请访问官方网站[www.gudsen.com](http://www.gudsen.com)以获取最新的产品信息。

## 安全使用须知

### 1. 锂电池使用安全须知

AirCross 2使用M2S30QB智能电池供电，请勿使用非官方提供的电池外接直流电源，以免导致云台无法正常工作，造成不必要的损失。需要备用电池时，请购买官方提供的电池产品。使用新电池前，需要将新电池完全充满，以激活电池。

- 勿将电池投入水中或将其弄湿！
- 禁止在火源或极热条件下给电池充电！勿在热源（如火或加热器）附近使用或贮存电池！如果电池泄漏或发出异味，应立即将其从接近明火处移开！
- 请勿使用三无适配器给电池充电！
- 勿将正负极接反！
- 勿将电池投入火中或给电池加热！
- 禁止用导线或其它金属物体将电池正负极短路，禁止将电池与项链、发夹或其它金属物体一起运输或贮存！

- 禁止用钉子或其它尖锐物体刺穿电池壳体，禁止锤击或脚踏电池！
- 禁止撞击、投掷或者使电池受到机械震动！
- 禁止直接焊接电池端子！
- 禁止以任何方式分解电池！
- 禁止将电池置入微波炉或压力容器中！
- 禁止与一次电池（如干电池）或不同容量、型号、品种电池组合使用！
- 如果电池发出异味、发热、变形、变色或出现其它任何异常现象时不得使用，如果电池正在使用或充电，应立即从设备中或拔出电源适配器并停止使用！
- 本电池仅适用于MOZA AirCross 2，请勿尝试连接其他产品使用，放置电池或其他设备损坏！

### **电池充电**

M2S30QB智能电池配备了一个Type-C接口，支持5V2A低速充电及9V2A高速充电输入，用户可自行搭配合适的充电器，给电池充电。

请使用Type-C接口对电池充电，勿直接使用外部电源如墙上插座或车载点烟式插座搭电至电池正负极进行充电！

### **查看电量**

M2S30QB智能电池使用4颗LED灯来指示电量，在充电时，指示灯会循环亮起；在关机状态下，摇一摇电池，指示灯会亮起5秒，然后熄灭。

指示灯状态	电量
● ● ● ●	75%-100%
○ ● ● ●	50%-75%
○ ○ ● ●	25%-50%
○ ○ ○ ●	0%-25%
○ ○ ○ ○	耗尽

### **电池保护**

M2S30QB智能电池具有欠压保护、过流保护和过热保护功能，过度使用、短路等异常工作状态都会触发电池保护。电池进入保护状态后会停止输出，且无法使用摇一摇查看电量的功能。本电池可通过充电来解除保护状态，插入充电线，电池的指示灯逐一亮起，即可再次正常使用。

### **电池存放**

- 电池储存温度必须在 -20°C~ 45 °C 的范围内。
- 长期存储电池（超过3个月）须置于温度为-20~25°C、湿度为65±20%RH的环境中。
- 长期存储电池应该先充饱后再存储，且应该每月进行一次补充充电。

## 2. 机械锁装置使用须知

AirCross 2的三个电机都带有机械式锁定装置，能够将云台固定在展开状态或者收纳状态。您收到产品后，如果发现云台无法展开，请检查电机锁是否处于锁定位置。将电机锁解锁后，各电机即可自由转动。

机械锁适用于以下情况：

- 收纳机身，便于携带
- 安装相机及调节平衡时固定其余电机，方便操作
- 转场时固定机身，防止磕碰
- 静态放置、展示时保持姿态

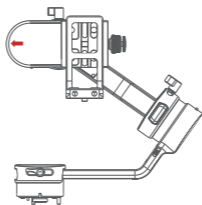
### ⚠ 注意：

在锁定状态下，暴力转动各电机，可能会导致电机锁故障；  
严禁在电机锁锁定状态下，开机使用AirCross 2，否则会导致电机发热、进入保护状态等情况。

## 3. 异常使用须知

### 相机安装方向错误

AirCross 2支持双面启动，俯仰轴能够360°旋转，在安装相机时，需按照云台上的指示，保持俯仰轴的椭圆一端朝前，与镜头方向一致。



### 运输安全

AirCross 2内含比较敏感的加速度计和陀螺仪传感器，在机身剧烈震动后，可能会出现传感器漂移的情况。您收到产品后，按照本说明书指示的方法安装好相机，如果开机后相机不能保持水平，请进行陀螺仪及加速度计的校准，以保证正常使用。



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INVENTED FOR VIDEO

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