

Disclaimer and Warning

■ Please be sure to read this document carefully to understand your legal rights, responsibilities, and safety instructions before using the product. Hover 2 is a small smart drone with a camera and camera functions. It is not a toy. Anyone who may be unsafe when operating Hover 2 should not use this product. This group of people includes but is not limited to:

- 1.Children under the age of 14;
- 2.People under the influence of alcohol, medication, who have dizziness, or are in a poor physical or mental state;
- 3.People in conditions that make them unable to safely operate Hover 2;
- 4.People in the above-mentioned states who choose to operate Hover 2 anyways must do so carefully.

■ You should read the entire contents of this document, and operate Hover 2 only after being familiar with the features of the product. Failure to operate this product properly may result in property damage, safety hazards, and personal injury. By using this product, you are deemed to have understood, endorsed and accepted all the terms and contents of this document. The user is committed to being responsible for his or her actions and all consequences arising therefrom. The user promises to use the product only for legitimate purposes, and agrees to all the terms and contents of this document and any relevant policies or guidelines that may be developed by Shenzhen Zero Zero Infinity Technology Co., Ltd. (hereinafter referred to as "Zero Zero").

■ Zero Zero does not assume any loss caused by the user's failure to use the product in accordance with this document, the User Manual, the relevant policies or guidelines. In the case of compliance with laws and regulations, Zero Zero has the final interpretation of this document. Zero Zero reserves the right to update, revise or terminate this document without prior notice.

免责声明与警告

■ 请务必在使用产品之前仔细阅读本文档，了解您的合法权益、责任和安全说明。Hover 2 无人机是一款具有拍照以及摄像功能的小型智能无人机，并非玩具，任何操作 Hover 2 时可能导致出现不安全因素的人群不应使用本产品。该类人群包括但不限于：

- 1.14 周岁（含）以下的儿童；
- 2.饮酒、用药、头昏乏力以及其他身体或精神状况不佳的人；
- 3.可能被某些情况影响从而导致无法安全操控 Hover 2 的人；
- 4.在有上述人群出现的场合，使用者务必谨慎操控 Hover 2 飞行。

■ 您应先阅读本文档全部内容，并且在熟悉产品的功能之后再进行操作 Hover 2。如果没有正确操作本产品，可能会造成财产损失、安全事故和人身伤害。一旦使用本产品，即视为您已理解、认可和接受本文档全部条款和内容。使用者承诺对自己的行为及因此而产生的所有后果负责。使用者承诺仅出于正当目的使用本产品，并且同意本文档全部条款和内容及深圳零零无限科技有限公司（以下简称“零零”）可能制定的任何相关政策或者准则。

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Safety Instructions

•Flight Environment

Hover 2 should be flown in a normal flight environment. A normal flight environment includes but is not limited to:

- 1.An open environment away from people, animals, no-fly signs, electromagnetic interference, and buildings;
- 2.Flying at an altitude of 2000 meter or less;
- 3.In temperatures of 0 °C - 40 °C and good weather (no rain , snow , fog, thunder, wind, hail or extreme weather conditions) conditions, as well as in legal areas . For legal areas, please read the "Flight Regulations and Restrictions" section;
- 4.Flying in an environment with a maximum of Grade 5 winds, otherwise the drone may not be able to fly normally, or may even cause damage or personal injury;
- 5.When flying indoors, functions of Hover 2 may be limited due to insufficient lighting, poor GPS signal, insufficient space and other environmental factors;
- 6.Do not let the drone fly in an environment where the ground height varies greatly (e.g. fly out of a high-rise window)and when the GPS signal is weak, in case the positioning function is interfered and thus impacts flight safety.

•Wireless Communication

You should ensure that wireless communication is working properly before flying Hover 2. Conditions for wireless communication to work properly include but are not limited to:

- 1.Be sure to operate the drone in an open space. Areas such as tall buildings, mountains, and woods may interfere with the compass and GPS signals of the drone;
- 2.To prevent the Palm Pilot or BlastOff Controller from interfering with other wireless devices, be sure to turn off the other wireless devices before using the Palm Pilot or BlastOff Controller;
- 3.It is forbidden to fly near sources of electromagnetic interference. Electromagnetic interference sources include, but are not limited to: Wi-Fi hotspots, Bluetooth devices, high voltage power lines, high voltage transformer stations, mobile phone base stations and television broadcast signal towers. If the flight location is not selected in accordance with the above provisions, Hover 2 wireless transmission performance will likely be affected by interference. If the interference is too large, Hover 2 will not work normally.

•Pre-flight Inspection

Before using Hover 2, you should make sure that you fully understand the drone, its peripheral components and anything involved with Hover 2. Pre-flight inspection should include but is not limited to:

- 1.Ensure the drone, Palm Pilot, BlastOff Controller, and mobile devices are fully charged;
- 2.Ensure that the drone and its components are installed and work properly, including but not limited to: drone fuselage, batteries, optical radar, propellers, and any other flight related components;
- 3.User has followed pre-flight inspection prompts in the Hover 2 App;
- 4.Ensure the firmware and Hover 2 App have been updated to the latest version;
- 5.Ensure that you have read and understood the User Manual, Quick Guide and related documents and are familiar with operations of the product.

•Operating Hover 2

Make sure that Hover 2 is properly operated and always pay attention to flight safety. Any consequences such as drone malfunctions, property damage, etc. due to user's incorrect operation of the drone, will be borne by the user. The correct methods of operating Hover 2 include but are not limited to:

1. Do not start the motors when the drone is folded, otherwise the drone may be damaged;
2. Do not approach the propellers and motors when they are working;
3. Please ensure that the drone is flying in an environment without signal interference, and operate the drone within sight. During the flight, do not take phone calls, send text messages or use any functions of your mobile device which may interfere with the operation of the drone. Avoid reflective areas such as flying over water surfaces or snowfields. When the GPS signal is weak, please ensure that the drone is flying in an open environment with sufficient lighting;
4. Please maintain control of the drone throughout the flight, and do not rely solely on the vision system and the information provided by Hover 2 App. In each flight mode and flight environment, you are responsible for observing the surrounding environment of the drone, reasonably judging the flight conditions and avoiding obstacles in time;
5. Please return the drone as soon as possible when there is a low battery warning or other abnormal flight status;
6. When Hover 2 is in an intelligent flight mode (including Cinematic Mode and the Omni-follow Mode, etc.), please ensure that the drone has enough room to operate, and that no obstacles block the preset flight path. Pay attention to the safety of the surrounding environment during the flight and control the drone in time when any safety problems occur;
7. Please make sure that Hover 2 is fully charged and in normal working conditions when shooting important photos or videos and make sure to turn off Hover 2 correctly. Otherwise, it may cause damage to or loss of data. Zero Zero does not assume any responsibility for corrupted data that can not be read;
8. Please operate the gimbal correctly, and do not apply external force to the gimbal when it is in use;
9. Please carefully handle the removal, installation, adjustment, etc. of the propellers and ensure that Hover 2 remains turned off;
10. Only use Hover 2's official accessories. You are solely responsible for any consequences resulting from the use of unofficial accessories;
11. Do not modify Hover 2 privately. The user is responsible for all consequences caused by private modification.

•Other Safety Issues

1. Do not operate this product in poor physical or mental conditions such as under the influence of alcohol or drugs, drug anesthesia, dizziness, fatigue, nausea, etc.
2. Do not use Hover 2 to throw or launch any dangerous object towards buildings, people or animals.
3. Do not use a drone which has experienced serious flight accidents or abnormal flight conditions.
4. When using Hover 2, be sure to respect others' privacy. It is forbidden to use Hover 2 to conduct any violations of the rights of others.
5. Ensure that you understand the local laws and regulations related to drones. It is forbidden to use Hover 2 to conduct any illegal and improper behaviors, including but not limited to espionage, military operations and other illegal work

安全操作指南

•飞行环境

Hover 2 应在可正常飞行的环境下飞行。可正常飞行环境包括但不限于：

- 1.在远离人群、动物、有禁飞标识、电磁干扰以及建筑物的开阔环境使用 Hover 2 ；
- 2.在海拔 2000 米以下地区飞行；
- 3.在 0°C - 40°C，天气良好（非雨雪、大雾、雷电、大风、冰雹或极端天气）的环境下且合法区域中飞行。合法区域详见“飞行法律规范与飞行限制”部分；
- 4.在 5 级风以下的环境中使用 Hover 2，否则飞行器可能无法正常飞行，甚至导致物品损坏或人身伤害；
- 5.当在室内飞行时，Hover 2 可能因光照条件不足、无 GPS 信号、空间狭窄等环境因素导致部分功能使用受限；
- 6.请勿在 GPS 信号不佳且地面高度落差较大的情况下飞行（如从高层的窗户飞出），以免定位功能异常从而影响飞行安全。

•无线通信

Hover 2 应在确保无线通讯可正常工作的条件下飞行。无线通讯可正常工作的条件包括但不限于：

- 1.确保在开阔空旷处操控飞行器。高大的建筑物、山体、树林等区域有可能对飞行器上的指南针和 GPS 信号造成干扰；
- 2.为防止掌上 RC 或航拍遥控器与其他无线设备相互干扰，务必在关闭其它无线设备后再使用掌上 RC 或航拍遥控器；
- 3.禁止在电磁干扰源附近飞行。电磁干扰源包括但不限于：Wi-Fi 热点、蓝牙设备、高压电线、高压输电站、移动电话基站和电视广播信号塔。若没有按照上述规定选择飞行场所，Hover 2 的无线传输性能将有可能受到干扰影响，若干扰过大，Hover 2 将无法正常飞行。

•飞行前检查

在使用 Hover 2 前，您应确保对飞行器、周边部件以及任何涉及 Hover 2 的相关内容充分理解，并做好相应的检查工作。包括但不限于：

- 1.确保飞行器、掌上 RC、航拍遥控器和移动设备的电量充足；
- 2.确保飞行器以及周边部件均正确安装且可正常工作，包括但不限于飞行器机身、电池、视觉雷达、螺旋桨以及其他任何飞行相关部件；
- 3.根据 Hover 2 App 及飞行器提示进行飞行前检查；
- 4.确保固件以及 Hover 2 App 已经更新至最新版本；
- 5.确保已经认真阅读并了解《用户手册》、《快速指南》等产品相关手册，确保熟悉产品及其操作方式。

●操作 Hover 2

确保正确操控 Hover 2，并时刻注意飞行安全。如果因使用者错误操作飞行器导致飞行器故障、财产损失等，其后果将由用户自行承担。正确操控方法包括但不限于：

- 请勿在飞行器折叠时启动电机，否则可能造成飞行器损坏；
- 切勿靠近工作转动中的螺旋桨和电机；
- 确保飞行器在无污染环境及视距内飞行。飞行过程中请勿接听电话、发送短信或使用其他可能干扰您操作飞行器的移动设备功能。飞行过程中注意避开水面或雪地等镜面反射区域。GPS 信号不良时，请保证飞行器在光照良好的开阔环境中飞行；
- 请全程保持对飞行器的控制，切勿完全依赖视觉系统及 Hover 2 App 提供的信息。在特定飞行模式下或特定飞行环境中，请依靠肉眼观察飞行器周围环境，合理判断飞行状况并及时躲避障碍物；
- 出现低电量警示以及其他飞行状态异常提示时候请尽快返航；
- 当飞行器处于智能飞行模式（包括短片模式和跟拍模式等）时确保飞行环境开阔且无障碍物遮挡预设的飞行轨迹。飞行过程中留意周围环境是否安全，并在可能发生任何安全问题时及时控制飞行器；
- 拍摄重要照片或视频时请确保 Hover 2 处于正常工作状态且电量充足，并确保正确关闭 Hover 2，否则可能造成影像损坏或者丢失，零零对无法读取的影像损失不承担任何责任；
- 请正确操作云台，请勿在云台工作时对其施加外力；
- 请小心谨慎进行螺旋桨的拆卸、安装、调整等操作，并确保 Hover 2 电源保持关闭；
- 飞行器仅可使用 Hover 2 官方配件。使用非官方配件造成的任何后果，由您自行承担担责任；
- 请勿对 Hover 2 私自进行改装，如因私自改装造成的任何后果，由用户自行承担担责任。

图 1-1 飞行器飞行前检查清单

●其他安全事项

- 不得在饮酒、吸毒、药物麻醉、头晕、乏力、恶心等其他身体状态不佳或精神状况不佳的情况下操控本产品。
- 禁止使用 Hover 2 向建筑物、人群或动物投掷、发射任何危险物体。
- 请勿使用发生过严重飞行事故或飞行状态异常的飞行器。
- 使用 Hover 2 时请务必尊重他人隐私，禁止使用 Hover 2 进行任何侵犯他人隐私权、许可权等权利的行为。
- 确保清楚理解当地无人机飞行相关的法律法规，禁止使用 Hover 2 进行任何违法及不当的行为，包括但不限于间谍活动、军事行动以及其他非法工作。

图 1-2 飞行器飞行前检查清单

Storage and Transportation

●Product Storage

- Place Hover 2 in a protective case, and do not squeeze or expose Hover 2 to sunlight.
- Never allow the drone to come in contact with liquids or be immersed in water. If the drone gets wet, please wipe it dry promptly. Never turn on the drone immediately after it has fallen into the water, otherwise it will cause permanent damage to the drone.
- When Hover 2 is not in use, make sure the battery is stored in an appropriate environment.Recommended battery storage temperature range:

Short-term storage (not more than three months): -10 ° C ~ 30 ° C ；

Long-term storage (more than three months): 25 ± 3 ° C .
- Check battery health with Hover 2 App. Please replace the battery after 300 charge cycles. For more details of battery maintenance, please read the "Intelligent Battery Safety Instructions".

图 1-3 电池存放和运输

●Product Transportation

- Temperature range when transporting batteries : 23 ± 5 ° C.
- Please check the airport regulations when carrying the batteries on board, and do not transport batteries that are damaged or have other abnormalities.

For more information of batteries, please read "Intelligent Battery Safety Instructions".

图 1-4 电池存放和运输

产品储存和运输

●产品储存

- 将 Hover 2 放置在保护盒内，切勿挤压或者暴晒 Hover 2。
- 切勿让飞行器接触到液体或浸入水中。若飞行器入水，请及时擦拭。切勿在飞行器落水后立刻开启电源，否则将会对飞行器造成永久损坏。
- 未使用 Hover 2 时，确保电池放在适当的环境中保存。

推荐电池储存温度范围：

短期储存（不超过三个月）：-10°C ~ 30°C；

长期储存（超过三个月）：25 ± 3°C。
- 定期通过 Hover 2 App 检查电池使用情况。当电池循环使用超过 300 次，请及时更换新电池。电池保养事宜详见《智能电池安全使用手册》。

图 1-5 电池存放和运输

●产品运输

- 运输电池时温度范围：23 ± 5°C
- 携带电池登机时候请遵守机场相关规定，切勿运输有破损或者已经出现其他异常的电池。

更多电池相关信息请参阅《电池安全使用手册》。

Flight Regulations and Restrictions

Legal norms and flying policies may vary in different countries or regions, please contact your local authorities for specific information.

●Flight Regulations

- It is forbidden to operate the drone in the no-fly zones and sensitive areas prohibited by laws and regulations.
- It is forbidden to operate the drone in densely populated areas. Always be vigilant and avoid other drones. If necessary, please land the drone immediately.
- Ensure that the drone is flying within sight, if necessary, arrange observers to help you monitor the position of the drone.
- It is forbidden to use the drone to transport or carry any illegal dangerous objects.
- Make sure you have understood the type of flight activity and obtained the necessary flight permits from the relevant local flight department. It is forbidden to use Hover 2 to conduct unauthorized flight activities and any illegal flight behavior that violate the rights of other people.

图 1-6 飞行限制

●Flight Restrictions

- You need to use Hover 2 safely in compliance with local laws and regulations. It is highly recommended that you download and install the latest version of the firmware from official channels. Make sure that the flight restriction function can work properly.
- Flight restricted areas include but are not limited to: the world's major airports, major cities/regions, and temporary event areas. Please consult your local flight management department before flying Hover 2 and follow local laws and regulations. In different flight restricted area, you will be subject to different levels of flight restrictions, including but not limited to: warning, prohibiting take-off, etc.
- Different countries or regions all have restrictions on the maximum flying height of the drone, and you must strictly comply with the local flying height restrictions.
- When flying at an altitude below 100 meters, please always pay attention to the surroundings of the drone and stay away from any obstacles that may hinder flight. These include but are not limited to tall buildings, mountains and woods.
- The functions of Hover 2 will be affected by approaching or flying in restricted areas. These effects include but are not limited to: the drone will decelerate when it is near the flight restricted area; the flight mission cannot be set; the ongoing mission will be interrupted, etc.

飞行法律规范与飞行限制

不同国家或地区的法律规范和限飞政策有所不同，请联系当地的有关部门了解具体信息。

●飞行法律规范

- 禁止操控飞行器使之进入法律法规规定禁止飞行区域和敏感区域附近。
- 禁止在载人飞机、人口密集、临时举行活动等区域飞行。时刻保持警惕并躲避其他飞行器，必要情况请立刻降落。
- 确保飞行器在您可视范围内飞行，若有必要可安排观察员帮助您监控飞行器位置。
- 禁止使用飞行器运输或搭载任何违法危险物品。
- 确保您已清楚了解飞行活动的类别，并向飞行当地有关部门获取飞行许可证。禁止使用 Hover 2 进行未经授权的飞行活动、侵犯他人权利的飞行活动以及任何违法的飞行行为。

图 1-7 飞行限制

●飞行限制

- 您需要在符合本地法律法规的框架下安全使用 Hover 2。强烈建议您从零零官方渠道下载并安装最新版本的固件，以确保飞行限制功能可以正常使用。
- 飞行限制区域包括但不限于世界上主要的机场、主要城市/地区和临时举行活动区域。起飞前请咨询当地飞行管理部门，并遵守当地法律法规。在不同飞行限制区域将受到不同等级的飞行限制，包括但不限于：警告提示、禁止起飞等。
- 不同国家或者地区对无人机最高飞行高度均有限制，您须严格遵守当地最高飞行限制要求进行飞行任务。
- 当飞行高度低于 100 米时请您时刻注意飞行器周围环境，并远离一切可能阻碍飞行的障碍物。包括但不限于高大的建筑物、山体 and 树林等。
- Hover 2 靠近飞行限制区域或处于飞行限制区域内时飞行相关功能会受到不同程度的影响。包括但不限于：靠近飞行限制区域时飞行器会被减速、无法设置飞行任务、正在执行的飞行任务会被中断等。

Compliance Information 认证信息

Battery Use Warning Caution 警告
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO INSTRUCTIONS.

FCC Regulations FCC 法律宣告

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including antereference that may cause undesired operation.

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 radiated 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.

RF Exposure Information (SAR) 射频 SAR 信息

This device meets the government’s requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

FCC Note FCC 备注

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

图 1-8 FCC 认证信息

图 1-9 FCC 认证信息

图 1-10 FCC 认证信息

图 1-11 FCC 认证信息

图 1-12 FCC 认证信息

图 1-13 FCC 认证信息

This guide will be updated irregularly, please visit zerozerorobotics.com/support/downloads to check out the latest version.
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