

DJI FLYCART 100

Safety Guidelines

安全概要

安全總覽

安全ガイドライン

안전 가이드

Sicherheitsrichtlinien

Diretrizes de seguridad

v1.0

Consignes de sécurité

Direttiva sulla sicurezza

Veiligheidsrichtlijnen

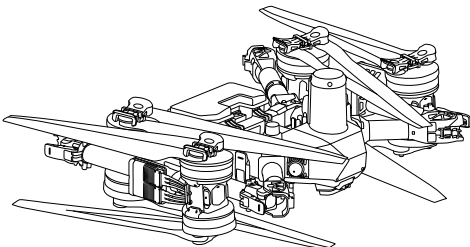
Diretrizes de segurança

Diretrizes de Segurança

Руководство по технике безопасности

PRODUCT CERTIFICATION 产品合格证

This product is qualified according to the delivery inspection. Approved.
产品经检验合格，准予出厂。



Product Name / 产品名称：DJI FlyCart 100
Product Model / 产品型号：E2MTR-100A

Inspection Date / 检验日期：

Inspector / 检验员：

Inspection Stamp / 检验章：

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Download the **user manual** for more information.
<https://www.dji.com/flycart-100/downloads>



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Compliance with Regulations & Flight Limits

WARNING

- Only use the aircraft for cargo delivery.
- DO NOT fly over densely populated areas. DO NOT fly in integrated airspace unless approved by air traffic management authorities.
- DO NOT operate in the vicinity of manned aircraft. Be alert and avoid other aircraft at all times. Land immediately if necessary.
- DO NOT fly the aircraft without authorization in areas prohibited by local laws. All GEO Zones are listed on the DJI official website at <https://fly-safe.dji.com/nzf/nzf-query>. In compliance with the relevant laws, policies, and regulations, some GEO zones will not appear on the map on the website. Refer to the DJI Delivery App for a complete map of GEO zones in effect.
- DO NOT use the aircraft to carry illegal or dangerous goods or payloads. DO NOT use this product for any illegal or inappropriate purpose such as spying, military operations, or unauthorized investigations.
- fly no higher than 120 m (400 ft*) above ground level and stay away from any surrounding obstacles.

* Flight altitude restrictions vary in different regions. DO NOT fly above the maximum altitude set forth in your local laws and regulations. Refer to the User Manual for additional limitations.

Flight Environment Requirements

WARNING

- During takeoff, landing, and flight, keep away from roads, railways, water surfaces, and obstacles such as utility poles, high-voltage lines, and trees. Maintain a safe distance of more than 10 m from crowds and animals. Only fly in open areas.
- DO NOT use the aircraft in severe weather conditions including strong winds, snow, ice, fog, and lightning. Make sure to follow the IP rating requirements when flying in the rain.
- DO NOT fly the aircraft in conditions with a weak GNSS signal, such as indoors, and in environments unsuitable for the Sensing System positioning, such as significant altitude, surfaces with weak textures like water, snow, or plain-colored walls.

NOTICE

- The performance of the aircraft and its battery is limited when flying at high altitudes. Fly with caution.
- In low temperature environments, make sure that the flight battery is fully charged and be sure to reduce the payload of the aircraft. Otherwise, it will affect the flight safety or a takeoff limit will occur.
- DO NOT use the aircraft near accidents, fire, explosions, floods, tsunamis, avalanches, landslides, earthquakes, dust, or sandstorms.
- To avoid affecting the flight performance and motor service life, DO NOT takeoff or land the aircraft on sandy or dusty surfaces.
- Be extremely alert when flying near areas with magnetic or radio interference. Pay close attention to the video transmission quality and signal strength on DJI Delivery App. Return to the Home Point and land the aircraft if prompted to do so in DJI Delivery App to ensure flight safety. Sources of electromagnetic interference include but are not limited to: high voltage lines, large-scale power transmission stations or mobile base stations, and broadcasting towers.

Pre-Flight Checklist

- Make sure all the devices are fully charged. Make sure the aircraft firmware and DJI Delivery App have been updated to the latest version.
- Make sure there are no foreign objects inside the aircraft. Make sure the air vents and cooling holes of the aircraft are not blocked. Make sure the covers of all the ports have been closed properly if not used.
- Ensure that all parts of the aircraft are intact, securely installed, and functioning properly. Make sure all cables are connected properly and securely.
- Power on the aircraft and the remote controller, and toggle the flight mode switch to N-mode. Make sure the remote controller antennas are adjusted to the proper position. Make sure the aircraft and the remote controller are linked, and the remote controller is in control of the aircraft.
- Make sure your flight area is inside approved zones for UAVs. Place the aircraft on open and flat ground. Make sure there are no obstacles, buildings, or trees nearby and that the aircraft is 6 m away from the pilot. The pilot should be facing the rear of the aircraft.
- To ensure flight safety, enter the flight view of DJI Delivery App and check the parameters on the preflight checklist.
- Divide the airspace for flight when multiple aircraft are operating simultaneously in order to avoid collision mid-air.

Flight Safety Notice

WARNING

- DO NOT load or unload cargo directly above people.
- Small parts of this product and its accessories are dangerous if swallowed. Keep all parts out of reach of children. DO NOT operate this product in the presence of children.
- Stay away from rotating propellers and motors.
- If there are high-voltage power lines in the task area, carefully plan the route to maintain a safe distance to avoid collisions. If the aircraft collides with power lines, DO NOT touch the aircraft to avoid electric shocks. If the aircraft collides with power lines, do not touch the aircraft with your hands due to the risk of electric shocks.
- Stop using the aircraft if it does not work properly. DO NOT use an aircraft that has been involved in a collision. Contact DJI Support or a DJI-authorized dealer for assistance.
- Make sure to follow the prompts in the app to return to home and land as soon as possible if warned about low battery, strong winds, compass calibration, or motor overload, etc.
- Wait for the propellers to completely stop spinning after landing, then power off the aircraft and the remote controller. To avoid burns, DO NOT directly touch the motor.
- Only use genuine DJI parts or DJI authorized parts. Unauthorized parts may cause system malfunctions and compromise flight safety.
- DO NOT modify or alter the aircraft, its components, or parts. Unauthorized modification may cause malfunctions and affect the functionality and safety of the aircraft.
- DO NOT power on the aircraft when water is inside the aircraft or its components. Otherwise, it may cause permanent component damage.
- Keep the aircraft away from people and animals at a safe distance when updating firmware, calibrating systems, or setting up parameters.
- DO NOT point the beacon directly into eyes to avoid injury.

NOTICE

- If non-officially recommended products, third-party devices, or payloads are used, resulting in damage to accessories or other products, you take full responsibility for any resulting damage.
- Perform regular maintenance and upkeep according to the Maintenance Manual. DO NOT attempt to repair the aircraft. Contact official support or an authorized dealer if any parts are damaged.

Battery Safety Notice

WARNING

- DO NOT leave the battery covered in moisture or out in the rain. DO NOT drop the battery into water. Otherwise, an explosion or fire may occur. If the battery comes into contact with liquid, immediately remove the battery, place it in a dry and open area away from flammable materials, and contact DJI Support or a DJI authorized dealer for instructions.
- DO NOT use non-DJI batteries or chargers. Go to <https://www.dji.com> to purchase new batteries or chargers. DJI takes no responsibility for any damage caused by non-DJI batteries or chargers.
- DO NOT use swollen, leaking, or damaged batteries.
- The batteries should be used at the specified temperature range. A high temperature can cause an explosion or fire. A low temperature will reduce the performance of a battery.
- DO NOT disassemble or pierce batteries in any way.
- The electrolytes in the battery are highly corrosive. If any electrolytes come into contact with your skin or eyes, immediately wash the affected area with water and seek medical support.
- Keep the batteries out of the reach of children.
- DO NOT use a battery if it is involved in a crash or heavy impact.
- DO NOT leave the batteries near heat sources such as a furnace or heater, under direct sunlight, or inside a vehicle on hot days.
- DO NOT store the battery for an extended period after fully discharging. Otherwise, the battery may over-discharge and cause irreparable damage to the battery cell.

Specifications

Aircraft (Model: E2MTR-100A)	
Operating Frequency ^[1] & Transmitter Power (EIRP)	2.4000-2.4835 GHz <33 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <33 dBm (FCC), <30 dBm (SRRC), <14 dBm (CE)
Operating Temperature	-20° to 40° C (-4° to 104° F)
Radar	
Model	RD241608RFPV3.2 (Forward Radar) RD240804FB (Downward Radar)
Operating Frequency ^[1] & Transmitter Power (EIRP)	24.05-24.25 GHz <20 dBm (NCC/MIC/KC/CE/FCC)
Operating Temperature	-20° to 40° C (-4° to 104° F)
LiDAR (Model: mid360-agras)	
Wavelength	905 nm
Laser Safety	Class 1
Accessible Emission Limit (AEL)	128 nJ
Reference Aperture	4 mm
Max Laser Pulse Emission Power Within 5 ms	35 W
Remote Controller (Model: TKPL2)	
Operating Temperature	-20° to 50° C (-4° to 122° F)

O4 Video Transmission

Operating Frequency ^[1] & Transmitter Power (EIRP)	2.4000-2.4835 GHz <33 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <33 dBm (FCC), <14 dBm (CE), <30 dBm (SRRC)
Wi-Fi (802.11 a/b/g/n/ac/ax)	
Operating Frequency ^[1] & Transmitter Power (EIRP)	2.4000-2.4835 GHz <26 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.150-5.250 GHz <26 dBm (FCC), <23 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <26 dBm (FCC/SRRC), <14 dBm (CE)

Bluetooth 5.2

Operating Frequency ^[1] & Transmitter Power (EIRP)	2.4000-2.4835 GHz <10 dBm
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[1] Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.

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使用本产品前，请您仔细阅读并遵守本安全概要、访问 <https://www.dji.com/flycart-100>，阅读《用户手册》等操作指引。若您未提供飞行记录，DJITM可能无法分析事故原因，从而无法向您提供保修等服务。使用本产品视为您已阅读并接受与本产品相关的所有条款。本产品不适合未满 18 岁的人士使用。

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飞行规范与限制

警告

- 飞行器仅可密集区域飞行。请勿在人口密集区域上空飞行。除非经空中交通管理部门批准，否则请勿在融合空域飞行。
- 切勿在载人飞机附近飞行。时刻保持警惕并躲避其他飞行器。必要时立即降落。
- 切勿在未获得许可的情况下在当地法规禁止的区域飞行。访问 <https://fly-safe.dji.com/nzf/nzf-query> 查询限飞区的完整列表。请注意，应相关法律法规要求，部分禁飞区域在限飞区地图上未予显示，请以实际限飞数据为准。
- 禁止使用飞行器搭载任何违法违规物品，以及进行任何违法及不当行为（包括但不限于间谍、军事行动、非法调查工作）。
- 保持飞行高度在 120 米以下*，飞行时飞行器请勿贴近高大建筑物。

* 各国/地区的高度限制有所不同，请联系当地的航空管理部门了解实际限高。更多使用限制详见《用户手册》。

飞行环境要求

警告

- 起降及飞行时，注意远离马路、铁路、水面以及电线杆、高压线、树木等障碍物，同时使飞行器与人和牲畜等保持 10 米以上的安全距离。选择开阔、周围无高大建筑物的场所作为飞行场地。
- 恶劣天气下请勿飞行，如大风、下雪、结冰、雷电、有雾天气等。雨中飞行务必谨慎遵循等级要求。
- 请勿在 GNSS 信号差（如室内）且感知系统定位环境恶劣（如距离地面较近、表面纹理较如水面或玻璃、纯色平整墙面等）的条件下飞行。

注意

- 在高空地区飞行，由于环境因素导致飞行器电池及动力系统性能下降，飞行性能将会受到影响，请谨慎飞行。
- 在低温环境下，请确保飞行器电量充满并减小飞行器重量，否则可能影响飞行安全或出现限制起飞的情况。
- 在遭遇碰撞、倾覆等事故后，如火灾、爆炸、雷击、暴风、龙卷风、暴雨、洪水、地震、沙尘暴等灾害时不得使用飞行器。
- 起降时请避开沙土路面、沙漠、沙滩等环境，否则影响飞行性能及电机使用寿命。
- 在电磁干扰源附近飞行时务必保持谨慎，持续观察 DJI Delivery App 的图像画面是否卡顿，以及图像信号强度是否弱。必要时按照 DJI Delivery App 提示尽快返航降落，以保证飞行安全。电磁干扰源包括但不限于：高压电线、高压变电站、移动电话基站和电视广播信号塔。

飞行前检查列表

- 确保设备电量充足，固件以及 DJI Delivery App 已更新至最新版本。
- 确保飞行器内部无异物，飞行器通风口、散热孔无遮挡；对外接口未使用时，保护胶套紧固到位。
- 确保飞行器各部件完好无损且表面清洁无异物遮挡，安装牢固，可正常工作。确保所有连线正确牢固。
- 开启遥控器与飞行器，确保遥控器天线已展开，飞行档位切换开关位于 N 挡，飞行器与遥控器对频状态正常，且具有飞行器控制权。
- 将飞行器放置于户外平整开阔地带，飞手远离飞行器 6 米并面朝相机。
- 进入 DJI Delivery App 飞行界面，根据“飞行检查”列表检查参数设置，确保符合飞行需求。
- 若多架飞行器同时作业，请划分空域飞行，避免空中碰撞，引发严重安全事故。

安全操作须知

警告

- 禁止在人员正上方上、下坠。
- 本产品并非玩具，包含的小零件可能会对儿童造成危险，请务必将本产品及其配件放置在儿童接触不到的地方。严禁有儿童出现的场景使用本产品。
- 切勿靠近旋转中的螺旋桨和电机。
- 若作业区域存在高压电线，请合理规划路线，保持安全距离以避免撞击。若飞行器撞击电线，切勿用手触碰飞行器，有触电风险。
- 用户须立即停止使用发生事故（例如碰撞或倾覆等）或飞行状态异常的飞行器。在由 DJI 或 DJI 授权的维修中心进行处理前，用户不得继续使用该飞行器。
- 飞行过程中，如 App 显示低电量、大风警告、指南针校准、电机过载等提示，请根据指引操作，及时返航降落，切勿强行飞行。
- 降落后请确保电机完全停止后再关闭飞行器及遥控器电源。避免触碰电机表面，防止烫伤。
- 使用原厂配件或经过 DJI 认证的配件。使用非原厂配件有可能对飞行器的安全使用造成危险。
- 切勿自行改装飞行器及其相关部件，否则可能会影响飞行器性能，甚至引发飞行事故。
- 切勿在飞行器进水的情况下开启电源，否则可能会对飞行器造成永久损坏。
- 在升级固件、校准系统以及设定参数时必须使飞行器远离人群或环境。
- 请勿使夜间灯直接照射人眼，以免光线对眼睛造成伤害。

注意

- 若使用非官方推荐的产品、第三方设备或负载，造成配件或其他产品损坏，用户需自行承担責任。
- 按照《保养手册》进行定期维护和保养。请勿擅自维修，如有损坏，请联系技术支持或授权代理商。

电池安全须知

警告

- 电池严禁接触液体，切勿在雨中或潮湿环境使用电池，否则可能引发电池自燃甚至爆炸。若电池接触液体，请立即断开电池，将电池放置于干燥安全环境，远离易燃物，并立即联系技术支持或使用授权代理商获取处理指引。
- 严禁使用非官方提供的电池和充电设备。如需更换，请到官网查询相关购买信息。因使用非官方提供的电池和充电设备而引发的电池事故、飞行故障，DJI 概不负责。
- 严禁使用鼓包、漏液、包装破损的电池。
- 在规定的温度下使用电池。温度过高可能引起着火、爆炸。温度过低会降低电池性能。
- 禁止以任何方式拆解或使用尖利物体刺破电池。
- 电池内液体有强腐蚀性，如泄露，请远离。若接触皮肤或眼睛，立即用大量清水冲洗并就医。
- 将电池存放在儿童接触不到的地方。
- 电池若坠落或受外力撞击，不得再次使用。
- 禁止将电池放在靠近热源的地方，比如阳光直射或热天的车内、火源或加热点。
- 切勿将电池彻底放电后长时间存储，以免电池进入过放状态造成电芯损坏，将无法恢复使用。

参数

飞行器（型号：E2MTR-100A）	
工作频率 ^[1] & 发射功率 (EIRP)	2.4000-2.4835 GHz <33 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <33 dBm (FCC), <30 dBm (SRRC), <14 dBm (CE)
工作环境温度	-20°C 至 40°C
雷达模块	
型号	RD241608RFPV3.2 (前雷达)；RD240804FB (下雷达)
工作频率 ^[1] & 发射功率 (EIRP)	24.05-24.25 GHz <20 dBm (NCC/MIC/KC/CE/FCC)
工作环境温度	-20°C 至 40°C
激光雷达（型号：mid360-agras）	
波长	905 nm
人眼安全等级	Class 1
可达发射限	128 nJ
参考口径	4 mm
最大发射功率	35 W
遥控器（型号：TKPL2）	
工作环境温度	-20°C 至 50°C
O4 传图	
工作频率 ^[1] & 发射功率 (EIRP)	2.4000-2.4835 GHz <33 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <33 dBm (FCC), <14 dBm (CE), <30 dBm (SRRC)
Wi-Fi (802.11 a/b/g/n/ac/ax)	
工作频率 ^[1] & 发射功率 (EIRP)	2.4000-2.4835 GHz <26 dBm (FCC), <20 dBm (SRRC/CE/MIC) 5.150-5.250 GHz <26 dBm (FCC), <23 dBm (SRRC/CE/MIC) 5.725-5.850 GHz <26 dBm (FCC/SRRC), <14 dBm (CE)
蓝牙 5.2	
工作频率 ^[1] & 发射功率 (EIRP)	2.4000-2.4835 GHz <10 dBm

[1] 各国/地区支持的工作频段及其对应的可用范围有所不同，详情请参考当地法律法规。

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