

A3 / A3 PRO

DISCLAIMER AND SAFETY GUIDELINES 免责声明和安全操作指引

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Safety at a Glance

1. Environmental Considerations

- Always fly in areas that are clear of buildings and other obstacles.
- DO NOT fly above or near large crowds.
- The maximum service ceiling is determined by the performance of the aerial platform. The battery and propulsion system do not perform as well at high altitudes and you should fly with extra caution.
- It is recommended to fly in temperatures between 14° and 113°F (-10° and 45°C), without direct sunlight.

2. Pre-flight Checklist

- Ensure that the remote controller and aircraft batteries are fully charged.
- Ensure that the propellers are in good condition and securely fastened.
- Ensure that there is nothing obstructing the motors.
- Be sure to calibrate the compass at every new flight location or if the app prompts you to do so (for DJI Lightbridge 2 systems).

3. Operation

- Stay away from the rotating propellers and motors.
- Maintain line of sight of your aircraft at all times.
- DO NOT perform the Combination Stick Command while the aircraft is airborne.
- DO NOT answer incoming calls during flight.
- DO NOT fly under the influence of alcohol or drugs.
- During the Return-to-Home procedure, you can control the aircraft's altitude to avoid obstacles.
- In the instance of a Low Battery Warning, land the aircraft at a safe location as soon as possible.
- Always keep your hands on the remote controller so long as the motor is still spinning.
- Always power off the aircraft before the remote controller after landing.

4. Maintenance and Upkeep

- DO NOT use aged, damaged or broken modules.
- Recommended storage temperature: 41° to 95° F (5° to 35° C).
- Recommended storage conditions: Away from heat sources, vibration and strong electric or magnetic fields.

5. Local Laws and Regulations

- DO NOT fly in the No Fly Zones. You can find a complete list of these areas at: <http://www.dji.com/flysafe>
- The DJI No Fly Zone is not a replacement for local government regulations or good judgment.
- Avoid flying in areas where rescue teams are actively using the airspace.

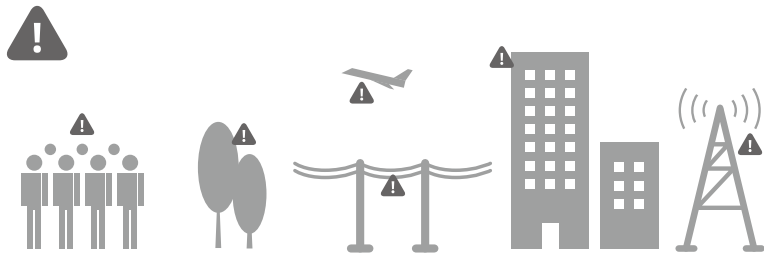


The A3 or A3 Pro is NOT a toy and is not suitable for children under the age of 18.

Note that 'Safety at a Glance' only provides a quick overview of the safety tips. Make sure you read and understand the remaining sections of this document.



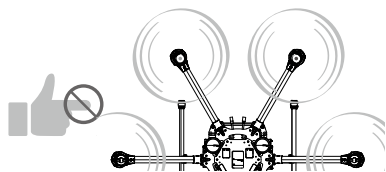
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Avoid flying over or near obstacles, crowds, high voltage power lines, trees or bodies of water. DO NOT fly near strong electromagnetic sources such as power lines and base stations as these may affect the onboard compass.



DO NOT use the aircraft in adverse weather conditions such as rain, snow, fog and strong winds.



Stay away from the rotating propellers and motors.



No Fly Zone

Learn more at:
<http://www.dji.com/flysafe/no-fly>

Notice

All instructions and other collateral documents are subject to change at the sole discretion of SZ DJI TECHNOLOGY CO., LTD. For up-to-date product information, visit <http://www.dji.com>.

Glossary

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

- NOTICE** NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.
- CAUTION** CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.
- WARNING** WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

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WARNING

Read the ENTIRE user manual to become familiar with the features of this product before operating. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision.

This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Do not use with incompatible components or alter this product in any way outside of the documents provided by SZ DJI TECHNOLOGY CO., LTD. These Safety Guidelines contain instructions for safety, operation and maintenance. It is essential to read and follow all of the instructions and warnings in the user manual, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury.

Age Recommendation: Not for children under the age of 18. This is not a toy.

Pre-flight Checklist

1. Ensure you are using genuine DJI parts and that all parts are in good condition.
2. Ensure the remote controller, aircraft battery and your mobile device (for the app) are sufficiently charged.
3. Ensure the propellers are securely mounted onto the motors, and the motors can start and function normally.
4. Ensure the redundancy system modules for the A3 Pro are working normally. Calibrate the IMU if needed.
5. Ensure that the flight control system and aircraft have the latest firmware installed.
6. Ensure your flight area is not near a No Fly Zone and that conditions are suitable for flying the aircraft.
7. DO NOT attempt to fly under the influence of alcohol, drugs or any substance that may impair your cognitive abilities.
8. Ensure you are familiar with the selected flight mode and understand all safety functions and warnings.
9. Ensure you observe all local regulations, obtain appropriate authorization and understand the potential risks. REMEMBER: It is solely your responsibility to comply with all flight regulations.
10. If the DJI Zenmuse Z15 is used, ensure the gimbal can rotate freely.

11. If the DJI Lightbridge 2 is used, ensure that the app and aircraft have the latest firmware installed.
12. If the DJI SDK is used, be sure to follow usage regulations stated on the DJI official website.

Disclaimer and Warning

This product is NOT a toy and is not suitable for children under the age of 18. Adults should keep the A3 or A3 Pro out of the reach of children and exercise caution when operating this aircraft in the presence of children.

This product is a flight control system that offers easy flight when in good working order as set forth below. Visit <http://www.dji.com> for the most current instructions and warnings and <http://knowbeforeyoufly.org/> for more information about flight safety and compliance.

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The information in this document affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and follow the instructions and warnings in this document may result in product loss, serious injury to you, or damage to your aircraft.

By using this product, you hereby signify that you have read this disclaimer carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all applicable laws, rules, and regulations, including international and domestic airspace regulations, and all terms, precautions, practices, policies and guidelines DJI has made and may make available.

DJI accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in these Safety Guidelines.

Data Storage and Usage

When you use our mobile app or our products or other software, data regarding the use and operation of the product, such as flight telemetry data (e.g., speed, altitude, battery life, and information about the gimbal and camera) and operations records, may be automatically or manually uploaded to and maintained on a DJI-designated server. The internal storage device incorporated into the product stores various types of data, including flight telemetry data. You may also provide flight telemetry data and other data to us when you manually transmit that information from the internal storage device to us. The information that is automatically uploaded or manually uploaded to us DOES NOT include personal data (i.e., your name, address, email, or other information that specifically identifies you), but personal data, such as your user name, may become associated with, used to identify, or tagged to such uploaded information when we store it. We separately describe how we use your user name and other personal data on our privacy policy at <http://www.dji.com/policy>. By using the product, the mobile app or other software we distribute, or by manually providing data to us, you consent to the following:

- Our storage of any flight telemetry data and other data uploaded or provided to us, including in combination with your user name;
- Our use of any such data uploaded or provided (including your user name) in connection providing support and services to you and to improve our products;

- Our disclosure of such data uploaded or provided (including your user name) to our agents and/or contractors who may use it on our behalf or in connection with their relationship with us; and
- Our disclosure of such uploaded or provided data (including your user name) as required by law, in a matter of public safety or policy, as needed in connection with the transfer of our business assets, or if we believe in good faith that sharing the data is necessary to protect our rights or property.

Compliance Information

FCC Compliance

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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

EU Compliance Statement

SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of the EMC Directive.

A copy of the EU Declaration of Conformity is available online at www.dji.com/euro-compliance



EU contact address: DJI GmbH, Industrie Strasse. 12, 97618, Niederlauer, Germany

Before You Begin

The following documents have been produced to help you safely operate and make full use of your A3 or A3 Pro:

In the Box

Disclaimer and Safety Guidelines

Quick Start Guide

User Manual

Check that you have all the items listed on the In the Box sheet. Read the Disclaimer and Safety Guidelines before using this product. Then, prepare for your first flight by reading the Quick Start Guide and User Manual, and watching all of the tutorial videos on the DJI official website (<http://www.dji.com>).

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Make sure you fully understand the functionality of each individual part, the flight condition requirements, the key contingency warning functions/systems, and all government regulations before each flight. If you have any questions or problems during the assembly, maintenance or use of this product, please contact DJI or a DJI authorized dealer.

Individual Parts

Regarding Genuine and Functional Parts

WARNING

To prevent components from malfunctioning, serious injury, and property damage, observe the following rules:

1. Use only genuine DJI parts or parts certified by DJI. Unauthorized parts or parts from non-DJI certified manufacturers may cause system malfunctions and compromise safety.
2. Ensure that there are no foreign objects (water, oil, soil, sand, etc.) inside the A3 or A3 Pro system or aircraft components.
3. Ensure the A3 or A3 Pro system and aircraft components (including the remote controller, gimbal, propulsion system, and battery) are all in good working condition. Refer to the remaining sections in this document on how to test the functionality of these components.

Flight Controller

WARNING

1. The flight controller's top side should be facing up. **DO NOT** mount it upside down.
2. Ensure the flight controller's orientation is correctly configured in the DJI Assistant 2.

NOTICE

1. Mount the IMU Pro module parallel to the aircraft's platform and in a position with the least vibration. The recommended mounting position is located near the aircraft's center of gravity.
2. The flight controller is neither waterproof nor oil-proof.
3. Check the double-sided adhesive tape regularly to ensure the flight controller is firmly secured.

GPS

NOTICE

1. Fly in open areas. Tall buildings or steel structures may block the GPS signal and affect the accuracy of the on-board compass.

Compass

CAUTION

To avoid possible serious injury and property damage, observe the following rule:
Land immediately when severe drifting occurs in flight, i.e., the aircraft DOES NOT fly in straight lines.

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NOTICE

1. Ensure the compass is calibrated before every flight. Failure to do so may lead to unexpected flight behavior or serious accidents.
2. DO NOT attempt to calibrate your compass where there is a chance of strong magnetic interference. This includes areas where there are massive metal objects, parking structures, steel reinforcements underground, or under bridges.
3. DO NOT carry ferromagnetic materials, such as keys, watches or mobile phones, with you during calibration.
4. The compass should always be calibrated when moving from indoor to outdoor spaces.
5. If the LED module blinks red, compass calibration has failed. Please recalibrate.
6. After successful calibration, the compass may become abnormal when you place the aircraft on the ground. This may be because of underground magnetic interference. Move the aircraft to another location and try again.
7. When to calibrate:
 - a. When compass data is abnormal and the LED module is blinking red and yellow.
 - b. When flying in a new location or a location that is different from your last flight.
 - c. When the mechanical structure of the aircraft has changed, i.e. new mounting position of the compass.
 - d. When severe drifting occurs in flight, i.e. the aircraft DOES NOT fly in straight lines.

Power Management Unit (PMU)

⚠ WARNING

1. The PMU has an input voltage range of 10.5-51 V (3-12S battery equivalent), output voltage of 9 V and maximum output current of 2 A. Be sure to use the PMU in strict accordance with these specifications.
2. The recommended storage temperature is -20° to 50°C (-4° to 122° F).

NOTICE

1. DO NOT block or cover the PMU to maximize heat dissipation and system performance.

Triple Modular Redundancy System (for A3 Pro)

IMU Pro

WARNING

1. The IMU Pro module's top side should be facing up. **DO NOT** mount it upside down.
2. Ensure that the IMU Pro module's orientation is correctly configured in the DJI Assistant 2.

NOTICE

1. Mount the IMU Pro module parallel to the aircraft's platform and in a position with the least vibration. The recommended mounting position is located near the aircraft's center of gravity.
2. The IMU Pro module is neither waterproof nor oil-proof.
3. Check the double-sided adhesive tape regularly to make sure that the Flight Controller is fixed firmly.

GPS-Compass Pro

NOTICE

1. The GPS-Compass Pro module included in the upgrade kit is the same as the one in the A3 flight control system.

Firmware

WARNING

To avoid serious injury to children and animals, observe the following rule:

Keep children and animals at a safe distance during any firmware upgrade, system calibration, and parameter setting procedures.

NOTICE

1. For safety reasons, always update the firmware when the firmware update notification is shown.
2. Be sure to check all connections and remove the propellers from the motors before performing the firmware update.

App (DJI Lightbridge 2 required)

NOTICE

1. Be sure to fully charge your tablet or mobile device before launching the app. A tablet is recommended for the best user experience.
2. If you are using a phone as your mobile display device, be sure to continue flying safely when the phone receives an incoming call. **DO NOT** accept phone calls during flight.
3. Read all prompted safety tips, warning messages, and disclaimers carefully. Be familiar with the related regulations in your area. You are solely responsible for being aware of all relevant regulations and flying in a way that is compliant.
 - a. Read and understand the warning messages before using the Auto-take off and Auto-land feature.

- b. Read and understand the warning message and disclaimer before setting the altitude beyond the regulatory limit.
- c. Read and understand the warning messages and disclaimer before switching between the flight modes.
4. Land your aircraft immediately if there is an alert shown in the app.
5. Examine and check all warning messages on the checklist displayed in the app prior to each flight.
6. Use the in-app simulator to practice your flight skills if you have never operated the aircraft or if you do not have sufficient experience to be comfortable operating the aircraft.
7. Beginner mode is enabled by default when you launch the app for the first time. The aircraft's altitude and flight distance is restricted when flying in Beginner mode. We recommend you fly in Beginner mode to perfect your flight skills. Operate the actual aircraft only after you are confident that you have mastered adequate flight skills.
8. Cache the map data of the area where you intend to fly the aircraft by connecting to the Internet before each flight.

Product Care

Storage and Transportation

WARNING

To avoid serious injury to children and animals, observe the following rule:

Small parts, such as cables and straps, are dangerous if swallowed. Keep all parts out of reach of children and animals.

NOTICE

1. The recommended storage temperature is 41° to 95° F (5° to 35° C).
2. Recommended storage conditions: No heat-source nearby; no vibration, strong magnetic field or strong electric field.
3. DO NOT allow the flight control system to come into contact with, or become immersed in, water or other liquids. If it gets wet, wipe dry with a soft, absorbent cloth. Powering on a flight control system that has fallen into water may cause permanent component damage. DO NOT use substances containing alcohol, benzene, thinners or other flammable substances to clean or maintain the flight control system. DO NOT store the flight control system in humid or dusty areas.

Maintenance and Upkeep

NOTICE

1. Check every part of the aircraft after any crash or violent impact. If you have any problems or questions, please contact a DJI authorized dealer.

Flight Condition Requirements

Weather Conditions and Surrounding Environment

WARNING

The flight control system is designed to operate in good to moderate weather conditions. To avoid collision, serious injury and property damage, observe the following rules:

1. DO NOT use the flight control system in adverse weather conditions including rain, snow, fog, and strong winds.
2. Keep the aircraft and flight control system at least 30 feet (10 meters) away from obstacles, people, animals, buildings, public infrastructure, trees, and bodies of water when in flight. Stay even further away from the above objects as your altitude increases.
3. Be EXTRA cautious when operating the aircraft and flight control system indoors.

NOTICE

1. Aircraft and battery performance is subject to environmental factors such as air density and temperature.
 - a. The A3 and A3 Pro systems support altitudes of up to 32,808 feet (10,000 meters) above sea level. However, the battery and airframe performance is limited by the maximum service ceiling of the aerial platform. You should fly with extra caution at high altitudes.
 - b. It is recommend to fly in temperatures between 14° and 113° F (-10° and 45° C), without direct sunlight.
2. DO NOT use the aircraft near accidents, fire, explosions, floods, tsunamis, avalanches, landslides, earthquakes, dust, or sandstorms.

Using the Flight Control System Responsibly

WARNING

To avoid serious injury and property damage, observe the following rules:

1. Make sure you are NOT drunk, taking drugs, under the influence of anesthesia, or suffering from dizziness, fatigue, nausea or any other conditions, whether physical or mental, that could impair your ability to operate the aircraft safely.
2. DO NOT perform the Combination Stick Commands when the aircraft is airborne, or else the aircraft will crash.
3. Always power off the aircraft before the remote controller after landing.
4. DO NOT drop, launch, fire or otherwise project any dangerous payloads on or at any buildings, persons or animals, or anything that can cause personal injury or property damage.

NOTICE

1. Make sure you have been sufficiently trained and are fully aware of any contingency plans before accidents happen.
2. Make sure you have a flight plan and never fly the aircraft recklessly.
3. DO NOT use this product for any reason other than general personal use. DO NOT use it for any illegal or inappropriate purpose (such as spying, military operations, or unauthorized investigations).
4. DO NOT use this product to defame, abuse, harass, stalk, threaten or otherwise violate the legal rights (such as the right of privacy and publicity) of others.
5. DO NOT trespass over the private property of others.

Flight Modes, Functions and Warnings

Flight Modes

WARNING

To avoid serious injury and property damage, observe the following rule:

DO NOT switch from P-mode to either Atti mode or F-mode unless you are sufficiently familiar with the aircraft's behavior for each flight mode, since disabling GPS may result in being unable to land the aircraft safely.

NOTICE

P-mode is preferred for most flying scenarios. Users can switch to Atti mode where and when P-mode is unavailable. Be aware that some features are NOT available in Atti mode, and take EXTRA caution when flying in Atti mode.

1. P-mode (Positioning): P-mode works best when the GPS signal is strong. There are three different states of P-mode, which will be automatically selected by the flight control system depending on GPS signal strength and Vision Positioning sensors:
 - a. P-GPS: GPS and Vision Positioning are both available, and the aircraft is using GPS for positioning.
 - b. P-OPTI*: If GPS is NOT available, the aircraft will use the Vision Positioning System to hover accurately.
 - c. P-ATTI: When neither GPS nor Vision Positioning is available, the aircraft is using only its barometer for positioning, so only altitude is controlled.
2. Atti mode (Attitude): The GPS and Vision Positioning System are NOT used for positioning. The aircraft only uses its barometer to maintain altitude. If it is still receiving a GPS signal, the aircraft can automatically return home if the Remote Controller signal is lost and if the Home Point has been recorded successfully.
3. F-mode (Function): Intelligent Flight is activated in this mode. Be sure you are familiar with Intelligent Flight functions before use.
4. Manual mode: Only use it in emergency situations.

* P-OPTI requires a DJI Vision Positioning System (e.g. DJI Guidance). Note that the Vision Positioning System may NOT work properly when the aircraft is flying over water, over surfaces without a clear pattern, or in a low light environment.

If you intend to switch to modes that disable GPS assistance (e.g., Atti mode), you are required to accept the prompted disclaimer to enable this function. If this function is enabled, you further understand and agree that data including but not limited to flight telemetry data and function records could be uploaded to and maintained on a DJI designated server.

Failsafe and Return-to-Home

NOTICE

1. The Return-to-Home feature will NOT work if the GPS signal is insufficient or if GPS is not active.
2. Enable Smart RTH to bring the aircraft back to the Home Point instead of turning off the remote controller.
3. Tall buildings may adversely affect the Failsafe function. Please adjust the aircraft location, altitude and speed while returning home to avoid obstacles.
4. Make sure to always fly the aircraft within the transmission range of the remote controller.
5. Only use the Failsafe and Return-to-Home functions in case of emergency, as they may be affected by the weather, the environment, or any nearby magnetic fields.

6. The aircraft cannot avoid obstacles during Failsafe RTH; therefore it is important to set an appropriate Failsafe altitude before each flight.

Low Battery Warning

NOTICE

1. When the Critical Battery Level Warning (or Critical Low Voltage Warning) activates and the aircraft is descending automatically, you may push the throttle up to maintain the aircraft's altitude and navigate it to a more appropriate location for landing.
2. When battery (or voltage) warnings are triggered, promptly bring the aircraft back to the Home Point or land to avoid losing power during flight and causing damage to the aircraft, property, animals, and people.

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Compliance with Regulations & No Fly Zones

Regulations

⚠ WARNING

To avoid non-compliant behavior, serious injury and property damage, observe the following rules:

1. DO NOT operate in the vicinity of manned aircraft, regardless of altitude. (Land immediately if necessary)
2. DO NOT fly the aircraft in densely populated areas, including cities, sporting events, exhibitions, performances, etc.
3. DO NOT fly the aircraft above the authorized altitude. Remain well clear of and do NOT interfere with manned aircraft operations. Be aware of and avoid other aircraft and obstacles at all times.

CAUTION

To avoid non-compliant behavior, serious injury and property damage, observe the following rules:

1. DO NOT fly the aircraft near or inside no-fly zones specified by local laws and regulations. The no-fly zone list includes: airports, borders between two sovereign countries or regions, major cities/regions, etc., and is continuously updated.
2. DO NOT fly the aircraft above the authorized altitude
3. ALWAYS keep your aircraft within visual line of sight (VLOS), and use an observer to assist if needed.
4. NEVER use the aircraft to carry illegal or dangerous goods/payloads.

NOTICE

1. Make sure you understand the nature/type of your flight operation (such as for recreation, for public use, or for commercial use) and have obtained corresponding approval and clearance from the related government agencies before flight. Consult with your local regulators for comprehensive definitions and specific requirements. For users operating their aircraft in the United States, please first visit <http://www.knowbeforeyoufly.org/> and take action appropriate to your circumstances.
2. Please note that remote controlled aircraft may be banned from conducting commercial activities in certain countries and regions. Check and follow all local laws and ordinances before flying as those rules may differ from those stated here.

3. DO NOT fly around sensitive infrastructure or property such as power stations, water treatment facilities, correctional facilities, heavily traveled roadways, government facilities, military zones, etc.
4. Respect the privacy of others when using the camera. DO NOT conduct surveillance operations such as capturing images or recording video of any person, entity, event, performance, exhibition, and property without authorization or where there is an expectation of privacy, even if the image or video is captured for personal use.
5. Please be advised that in certain areas, the recording of images and videos from events, performances, exhibitions, or commercial properties by means of a camera may contravene copyright or other legal rights, even if the image or video was shot for personal use.

No Fly Zones

NOTICE

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DJI always stresses safety during flight, and has therefore developed various aids to help users comply with local rules and regulations while flying. We strongly recommend that you update the firmware to the latest version to ensure the following features are fully updated:

No Fly Zones

1. No Fly Zones include but are not limited to major airports around world, borders between two sovereign countries or regions, major cities/regions, etc.
2. The complete list of No Fly Zones is listed on the official DJI website at <http://flysafe.dji.com/no-fly> and is subject to periodic updates in line with the latest regulatory requirements without prior notice.
3. Some No Fly Zones are comprised of several zones. Each zone features circles of various sizes. The aircraft will NOT be able to take off in the inner most zone of the No Fly Zone, and will descend to the specified altitude when it approaches the edge of the inner most zone. Ground station functionality is disabled when the aircraft is within a No Fly Zone.
4. Users are NOT able to set up waypoints within No Fly Zones.

Altitude Limit

1. It is recommended to fly NO higher than 400 feet (120 meters) above ground level and stay away from any surrounding obstacles.
2. If you intend to fly above the default altitude limit, you are required to accept the prompted disclaimer to enable the new altitude limit. If a new altitude limit is set, you further understand and agree that data including but not limited to flight telemetry data and altitude limit changes could be uploaded to and maintained on a DJI-designated server.

安全概要

1. 环境

- 在远离人群的开阔场地飞行。
- 飞行海拔高度由飞行器性能决定。高海拔环境因素将影响电池和动力系统，导致飞行器性能下降，因此，请务必了解您的飞行器性能，并谨慎飞行。
- 在 -10°C 至 45°C （非太阳直射条件下），天气良好的环境中飞行。
- 在合法区域飞行，详见第 5 条。



使用 A3 / A3 Pro 飞行控制系统的飞行器具有一定的安全风险，不适合未满 18 岁的人士使用。

安全概要仅包含部分的飞行安全知识，请务必仔细阅读免责声明和安全操作指引的全部内容。

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2. 检查

- 确保各设备的电量充足。
- 确保螺旋桨无破损并且安装牢固。
- 确保飞行器电机清洁无损。
- 根据 App 提示进行飞行前检查并校准指南针（仅限使用 DJI Lightbridge 2）。

3. 操作

- 切勿靠近转动中的螺旋桨和电机。
- 在视距范围内飞行。
- 飞行时掰杆停机将导致飞行器坠落。
- 飞行过程中请勿接打电话，切勿在神志受到酒精或药物的影响下操作飞行器。
- 低电量（或低电压）警示时请尽快返航。
- 飞行器自动返航时不会自行躲避障碍物，如果遥控信号正常，可通过遥控器控制飞行航向。
- 降落后，飞行器电机未停止前务必保持遥控器在手。电机停止后请先关闭飞行器，再关闭遥控器。

4. 保养

- 定期检查飞行控制系统各模块状态。
- 飞行控制系统适合在 5°C 至 35°C 干燥、附近无热源、无振动、无强磁场、无强电场的环境中长期存放。

5. 限飞与当地法规

- 严禁在限飞区域中飞行。浏览该地址 <http://www.dji.com/cn/flysafe> 以获取最新的限飞区域列表。
- 推荐控制飞行高度在 120 米以下，飞行时需严格遵守当地法律法规。



在开阔无遮挡的环境中飞行

校准指南针

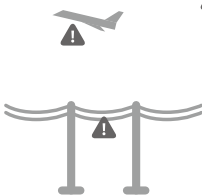
GPS 信号良好

在目视范围内飞行

控制飞行高度低于 120 米

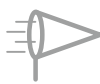


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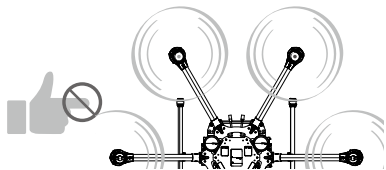


飞行时请远离人群、树木、电线、高大建筑物、机场和信号发射塔等。

无线电发射塔、高压线、变电站以及具有磁性的大块金属可能会对遥控信号及指南针产生干扰，威胁飞行安全。



下雨、雷电、大雾、下雪、大风等天气请勿飞行。



禁飞区

切勿接触工作旋转中的螺旋桨，否则可能受到严重人身财产损害。

详情请访问以下网址：
<http://www.dji.com/cn/flysafe/no-fly>

词汇表

本产品使用以下词条对因操作不当可能带来的潜在危险分级加以说明。

- 注意** 注意：如果不遵循说明进行操作，可能会导致财产损失和轻微伤害。
- 小心** 小心：如果不遵循说明进行操作，可能会导致财产损失和较严重伤害。
- 警告** 警告：如果不遵循说明进行操作，可能会导致财产损失、重大事故和严重伤害。



警告

通过阅读整个用户手册，熟悉产品的功能之后再进行操作。如果没有正确操作本产品可能会对自身或他人造成严重伤害，或者导致产品损坏和财产损失。本产品较为复杂，需要经过一段时间熟悉后才能安全使用，并且需要具备一些基本常识后才能进行操作。本产品不适合儿童使用。切勿使用非 DJI 提供或建议的部件，必须严格遵守 DJI 的指引安装和使用产品。本指引文档包含安全、操作和维护等说明。在进行组装、设置和使用之前务必仔细阅读用户手册中的所有说明和警告。

飞行前检查列表

1. 仅使用 DJI 正品部件并保证所有部件工作状态良好。
2. 确保遥控器，飞行器电池以及移动设备电池电量充足。
3. 确保所有螺旋桨均已正确安装至电机上。电机能够正常启动。
4. 检查冗余系统模块状态，根据提示进行校准。
5. 确保固件已经更新至最新版本。
6. 确保飞行场所处于飞行限制区域之外，且飞行场所适合进行飞行。
7. 用户应确保自己不在醉酒、药物影响下操控飞行器。
8. 熟悉了解每种飞行模式。熟悉失控返航模式下飞行器的行为。
9. 用户应自行了解当地有关飞行器的法律法规。如有必要，用户需自行向有关部门申请授权使用飞行器。
10. 使用云台时，确保云台能够无阻碍地活动。
11. 使用 DJI Lightbridge 2 和 DJI GO App 时，确保 App 已经更新至最新版本。
12. 使用 SDK 时，请遵守 DJI 网站 <https://developer.dji.com/cn/> 中相关的守则和规定。

免责声明与警告

本产品并非玩具，不适合未满 18 岁的人士使用。请勿让儿童接触 A3/A3 Pro，在有儿童出现的场景操作时请务必特别小心。

使用本产品之前，请仔细阅读本文档。本声明对安全使用本产品以及您的合法权益有着重要影响。

本产品是一款多旋翼飞行控制系统，在电源正常工作及各部件未损坏的情况下将提供安全可靠的飞行控制。访问 <http://www.dji.com> 获取最新说明和警告。DJI 保留更新本免责声明的权利。最新的免责声明，请以 www.dji.com 官网上及您邮件接收的版本为准。

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；否则，可能带来财产损失、安全事故和人身安全隐患。一旦使用本产品，即视为您已理解、认可和接受本声明全部条款和内容。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，并且同意本条款及大疆创新（DJI）可能制定的任何相关政策或者准则。使用者了解并同意使用本产品时产生的飞行数据将会上传并保存在大疆创新（DJI）的服务器上。

大疆创新（DJI）不承担因不按照本安全指引使用本产品所造成的任何直接或间接的人身伤害及财产损失的赔偿责任。用户应了解并执行包括但不限于本安全操作指引。

使用前须知

为了能使您更安全使用本产品，DJI 为用户提供了以下文档资料：

1. 《物品清单》
2. 《免责声明和安全操作指引》
3. 《快速入门指南》
4. 《用户手册》

建议用户使用《物品清单》进行核对。首先阅读《快速入门指南》了解使用过程，安装、调试和详细使用仔细阅读《用户手册》。飞行前务必仔细阅读《免责声明和安全操作指引》。

确保使用本产品前，您已熟悉本产品各部件的功能，并且了解有关飞行限制的信息，了解紧急返航的过程及当地与飞行有关的法律及相关政策。如果您在使用本产品时有任何疑问，请联系 DJI 或者 DJI 授权的代理商。

部件使用须知

原厂配件

警告

为避免可能的伤害和损失，务必遵守以下各项：

1. 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。
2. 飞行控制系统各部件内部没有进入任何异物（如：水、油、沙、土等）。
3. 确保飞行控制系统及所使用的其它设备，包括但不限于飞行器、遥控接收系统、云台、动力系统以及电池皆工作正常。

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主控器

警告

1. 正面朝上安装，且设定安装方向，切勿倒置。
2. 确保在调参助手中正确设置参数。

注意

1. 尽量靠近震动小的位置安装，与机身保持平行。
2. 设备不防水、不防油。
3. 经常检查，确保双面胶安装牢固。

GPS-Compass Pro

GPS

注意

确保在开阔空旷处操控飞行器。高大的钢筋建筑物有可能对 GPS 信号造成干扰。

指南针

小心

为避免可能的伤害和损失，务必遵守以下各项：

飞行过程中，一旦出现严重的漂移（如飞行器无法飞直线），请尽快降落。

注意

1. 指南针校准非常重要，校准结果直接影响飞行安全性。未校准可能导致飞行器工作异常，指南针错误时无法执行返航功能。
2. 请勿在有铁磁性物质的区域校准，如大块金属、磁矿、停车场、桥洞、带有地下钢筋的建筑区域等。
3. 校准时请勿随身携带铁磁物质，如钥匙、手机、手表等。
4. 如果在室内校准了指南针，则更换到室外飞行时切记重新校准指南针，防止由于两个区域的磁场差异太大而导致飞行数据异常。
5. 如果校准后机尾 LED 指示灯红灯闪亮，则表示校准失败。请重新校准指南针。
6. 校准成功后放在地面上，出现指南针异常，很有可能是因为地面上有钢筋，请换位查看异常是否消除。
7. 遇到以下情况，请进行指南针校准：
 - a. 指南针读数异常并且飞行器状态指示灯红黄交替闪烁。
 - b. 在新的飞行场所飞行。
 - c. 飞行器的结构有更改，如指南针的安装位置有更改。
 - d. 飞行器飞行时严重漂移。

PMU (Power Management Unit, 电源管理模块)**警告**

1. PMU 的输入电压为 3S - 12S (10.5 - 51 V)，输出电压为 9 V，输出电流最大 2 A。严格按照以上数据使用 PMU。
2. PMU 存放环境为 -20°C 至 50°C。

注意

1. 请勿遮挡或覆盖 PMU，否则将影响 PMU 散热，降低系统性能。

冗余系统 (A3 Pro)**IMU Pro****警告**

1. 正面朝上安装，且设定安装方向，切勿倒置。
2. 确保在调参助手中正确设置参数。

注意

1. 尽量靠近震动小的位置安装，与机身保持平行。
2. 设备不防水、不防油。
3. 经常检查，确保双面胶安装牢固。

GPS-Compass Pro

注意

升级套件的 GPS-Compass Pro 模块与 A3 包含的 GPS-Compass Pro 模块一样。

固件

警告

为避免可能的伤害和损失，务必遵守以下各项：

在升级固件、校准系统以及设定参数时务必使飞行器远离人群或动物。

注意

1. 务必将固件版本更新至最新以保证飞行安全。
2. 升级固件前确保螺旋桨已经被卸除。

App（需使用 DJI Lightbridge 2）

注意

1. 使用 App 前请确保移动设备电源充足。推荐使用平板电脑以获得最佳体验。
2. 当您在手机上使用 App 时，请将注意力集中在操控飞行器上，切勿在飞行过程中接听来电。
3. 在使用 App 期间，仔细阅读所有弹出的安全提示、警示信息以及免责声明。务必了解当地的相关法律法规。您将对所有违反当地法律法规的飞行行为负责。
 - a. 阅读并理解在使用自动起飞和降落时弹出的警示信息。
 - b. 阅读并理解在设定超过高度限定范围时弹出的警示信息以及免责声明。
 - c. 阅读并理解在切换飞行模式时弹出的警示信息以及免责声明。
4. 当 App 提示用户需降落飞行器时，务必及时将飞行器降落至安全地点。
5. 每次飞行前，务必根据 App 提供的飞行前检查列表进行各项检查。

6. 如果您从未操作过同类飞行器，则推荐您使用 App 自带的模拟器练习飞行器操控技巧。
7. 首次使用 App 时，新手模式默认开启。在新手模式下，飞行器将被限制最高和最远飞行距离。推荐使用新手模式练习飞行器操控技巧。在您认为您已熟悉掌握飞行技术时再解除新手模式。
8. 地图界面中使用的地图需从互联网下载。使用该功能前，建议将移动设备接入互联网以缓存地图。

产品保养

存储与运输



警告

为避免可能的伤害和损失，务必遵守以下各项：

由于线材和小零件可能会对儿童造成危险，所以务必让儿童远离飞行控制系统的部件以及所使用的其它设备。

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注意

1. 飞行控制系统适合在 5°C 至 35°C 干燥、附近无热源、无振动、无强磁场、无强电场的环境中长期存放。
2. 切勿让部件接触到液体或浸入水中。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。切勿使用含酒精等易挥发成分的液体清洁飞行控制系统。切勿存放于潮湿的场所。

维护

注意

1. 检查飞行控制系统的各个部件是否曾经受到强烈撞击。如有疑问，请联系 DJI 技术支持人员或 DJI 授权的代理商。

飞行条件要求

天气以及环境需求



警告

请在天气以及环境条件良好的情况下进行飞行。为避免可能的伤害和损失，务必遵守以下各项：

1. 恶劣天气下请勿飞行，如大风、下雪、下雨、有雾天气等。

2. 飞行时，请保持在视线范围内控制，使飞行器时刻与障碍物、人群、水面等物体保持至少 10 米以上的距离。
3. 在室内操作飞行器时需格外注意。

注意

1. 飞行过程受到空气密度以及环境温度的影响。
 - a. 飞行控制系统可支持在海拔 10000 米以下飞行，但高海拔环境因素将导致电池及动力系统性能下降，飞行器性能会受到影响，请谨慎飞行。
 - b. 推荐在 -10°C 至 45°C （非太阳直射条件下）的环境中使用。
2. 在遭遇碰撞、倾覆、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。

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安全飞行

警告

为避免可能的伤害和损失，务必遵守以下各项：

1. 用户不得在饮酒、吸毒、药物麻醉、头晕、乏力、恶心其他身体状态不佳或精神状况不佳的情况下操控本产品。
2. 禁止在空中执行掰杆动作。
3. 降落后务必先关闭飞行器然后关闭遥控器。
4. 禁止使用本产品向建筑物、人群或动物投掷、发射任何危险物体。

注意

1. 用户应确保已经对飞行器有足够程度的了解，并清楚所有的紧急返航措施。
2. 每次飞行前，用户应当准备好飞行计划。请勿鲁莽操控本产品。
3. 禁止使用本产品进行任何违法及不当行为（包括但不限于间谍、军事行动以及非法调查工作）。
4. 禁止使用本产品进行任何违反他人隐私权的行为。
5. 禁止使用本产品侵犯他人物权。

飞行模式和警示

飞行模式

警告

为避免可能的伤害和损失，务必遵守以下各项：

务必在您熟悉飞行器的特性和各种飞行模式之后，才能进行 P 模式切换到 A 模式或者 F 模式的操作。不使用 GPS 可能会使飞行器降落存在安全隐患。

注意

尽可能使用 P 模式进行飞行。在无法使用 P 模式时，用户可切换至 A 模式，某些在 P 模式下具备的功能在 A 模式下将无法使用，所以在使用 A 模式时需格外小心。

1. P 模式（定位）：使用 GPS 模块或视觉定位系统以实现飞行器精确悬停。根据 GPS 信号和视觉信号 * 的质量，P 模式在以下三种状态中动态切换：
 - a. P-GPS：GPS 卫星信号良好，使用 GPS 模块实现精确悬停。
 - b. P-OPTI：GPS 卫星信号欠佳或在室内无 GPS，使用视觉定位系统实现精确悬停 *。
 - c. P-ATTI：GPS 卫星信号欠佳，且不满足视觉定位条件，提供姿态增稳。
2. A 模式（姿态）：不使用 GPS 模块与视觉定位系统进行定位，仅提供姿态增稳，若 GPS 卫星信号良好可实现返航。
3. F 模式（功能）：激活智能飞行功能，使用功能模式前必须先熟悉智能飞行所有功能。
4. M 模式（手动）：仅用于紧急情况使用。

* 需要使用视觉定位系统（如，DJI Guidance），才有 P-OPTI 状态。

如果用户需要在不同的飞行模式之间进行切换，则用户必须点击从调参助手或者 App 弹出的免责声明以确认该选择。用户清楚并了解，如果开启了在不同的飞行模式之间切换的功能，则飞行器的飞行数据将会上传至 DJI 指定的服务器。

失控返航

注意

1. 失控返航在 GPS 信号欠佳的情况下将失效。
2. 启动智能返航后，飞行器将会返回最近记录的返航点。请勿采用关闭遥控器电源的方式强制启动返航功能。

3. 若返航路线上存在高大建筑物会对飞行器返航安全造成影响，因此在使用失控返航功能前需要预先设定合理的返航高度。
4. 确保在遥控器通讯范围内操控飞行器。
5. 确保只有在危急情况下才使用失控返航功能，因为返航功能会受天气、环境以及地磁等因素影响。
6. 在失控返航过程中，飞行器不能自主躲避障碍物。所以在每次使用失控返航功能前务必设置合理的返航高度。

低电量 / 低电压

注意

1. 严重低电量（低电压）报警发出后，飞行器将自行下降。此时，用户仍可以推油门杆拉升飞行高度并控制飞行器航向，使之飞行至合适场所再降落。
2. 当低电量（低电压）报警发出时，务必将飞行器返航并降落，以防止失去动力后对飞行器、人以及动物造成危险。

法律规范与飞行限制

法律规范

警告

为避免违法行为、可能的伤害和损失，务必遵守以下各项：

1. 切勿在载人飞机附近飞行。必要时立即降落。
2. 禁止在人口密集地区使用飞行器。这些地区包括：城市、体育比赛场馆、展会、演唱会。
3. 确保飞行器飞行时不会对航线上的大型载人飞行器造成影响。时刻保持警惕并躲避其他飞行器。

小心

为避免违法行为、可能的伤害和损失，务必遵守以下各项：

1. 禁止操控飞行器使之进入法律规定的禁飞区。禁飞区包括：机场、边境线以及主要城市。
2. 禁止在超过限定高度的空域飞行。
3. 确保飞行器在您的视距范围内飞行，若有必要可安排观察员帮助您监控飞行器位置。
4. 禁止使用飞行器搭载任何违法危险物品。

注意

1. 确保您已清楚了解飞行活动的类别（例如：娱乐、公务或商务）。在飞行前务必获取相关部门颁

发的许可证。如有必要，可向当地法务工作者咨询飞行活动类别的详细定义说明。

请注意，在某些地区与国家禁止使用飞行器进行任何形式的商业行为。

2. 禁止在敏感建筑设施，例如：发电站、水电站、监狱、交通要道、政府大楼以及军事设施附近使用飞行器。
3. 使用飞行器进行拍摄时务必尊重他人隐私权。禁止使用本产品进行任何未经授权的监视活动，这些活动包括但不限于对他人、团体、活动、表演、展会或楼宇进行监视。
4. 请注意，在某些地区与国家，尽管不是出于商业目的，但是使用相机对他人、团体、活动、表演、展会等进行录像或者拍照也将触犯到版权争议或者他人的合法权益。在某些地区与国家，小型航拍模型亦被禁止参与任何商业行为。因此，使用之前请仔细了解并遵循当地法律法规。

飞行限制

注意

DJI 一贯强调飞行安全，为了达到该目的，DJI 提供了多种技术手段以协助用户能够在符合本地法规的框架下安全使用飞行器。强烈建议用户升级最新版本的固件，以确保飞行限制功能可以正常使用。飞行限制功能包括：

飞行限制区域

1. 飞行限制区域包括但不限于国际大型机场、两国边境线以及大城市及区域等。
2. 用户可以通过访问 <http://www.dji.com/cn/flysafe/no-fly> 查询关于飞行限制区域的完整列表，请注意该列表将随时更新以适应本地法律法规。
3. 某些飞行限制区域是由多个子区域组成。每个子区域有各自的区域半径。飞行器在最靠近机场的禁飞区域内时将无法起飞。当飞行器在禁飞区外的限高区域飞行时，飞行高度将受到限制，限飞高度随着靠近“禁飞区”的距离由 500 米至 10 米呈线性递减。另外，用户将无法在限制飞行区域内使用地面站功能。
4. 用户无法在飞行限制区域内设置航点。

高度限制

1. 推荐控制飞行高度在 120 米以下，飞行时飞行器应远离任何高大建筑物。
2. 如果需要在默认限定高度以上的场所飞行，用户需要阅读了解并点击从 App 中弹出的免责声明信息后方可进行余下的操作。用户清楚并了解，如果设定了新的飞行高度，则本次操作的数据以及执行本次操作以后的飞行数据将会上传至 DJI 指定的服务器上。

DJI Support Website

DJI 技术支持

<http://www.dji.com/support>

本指引如有更新，恕不另行通知。

您可以在 DJI 官方网站查询最新版本

<http://www.dji.com/product/a3>

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：

DocSupport@dji.com。

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