

MATRICE 600 PRO

DISCLAIMER AND SAFETY GUIDELINES

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Searching for Keywords

Search for keywords such as “battery” and “install” to find a topic. If you are using Adobe Acrobat Reader to read this document, press Ctrl+F on Windows or Command+F on Mac to begin a search.

Navigating to a Topic

View a complete list of topics in the table of contents. Click on a topic to navigate to that section.

Printing this Document

This document supports high resolution printing.

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Safety at a Glance

1. Environmental Considerations

- Always fly at locations that are clear of buildings and other obstacles.
- DO NOT fly above or near large crowds.
- Avoid flying at altitudes above 400 feet (120 m).
- Be very careful when flying 8,202 feet (2,500 m) or more above sea level.
- Fly in moderate weather conditions with temperatures between 14° and 104° F (-10° and 40° C).
- Please take additional caution while flying indoors because the aircraft stabilization features may be interfered.



The MATRICE™ 600 Pro aircraft 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.

2. Pre-flight Checklist

- Remote controller and aircraft batteries are fully charged.
- Propellers and frame arms are unfolded.
- Propellers are in good condition and securely tightened before each flight.
- Ensure that all the arrows on the GPS-Compass Pro point toward the front of the aircraft.
- All parts are mounted securely, cables are connected correctly and firmly.
- There is nothing obstructing the motors.
- Be sure to calibrate the compass at every new flight location or if you receive a software prompt.

3. Operation

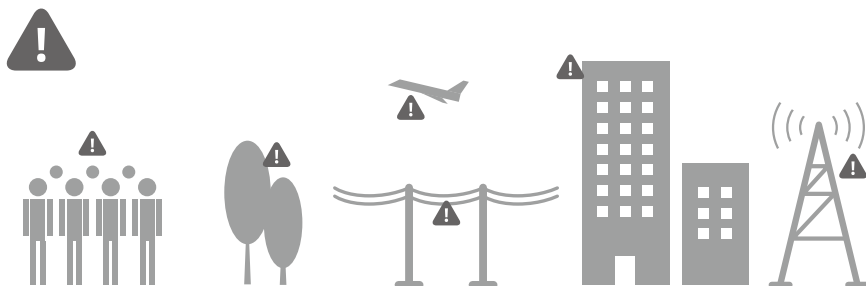
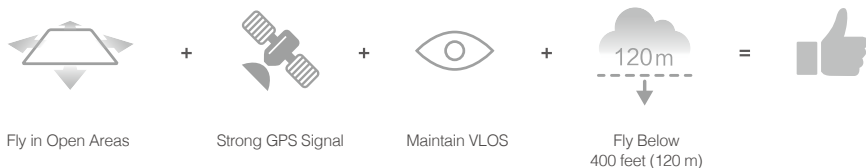
- Stay away from the rotating propellers and motors.
- Maintain a visual line of sight (VLOS) to your aircraft at all times.
- DO NOT stop the motors when the aircraft is airborne unless in an emergency situation.
- DO NOT answer incoming calls during flight.
- DO NOT fly under the influence of alcohols or drugs.
- During the Return-to-Home procedure, you can adjust the altitude to avoid obstacles.
- In the instance of a Low Battery Warning, land the aircraft at a safe location.
- After landing, first stop the motor, then turn off the Intelligent Flight Battery, and then turn off the remote controller.
- Please maintain full control of the aircraft at all time and do not rely on the DJI GO™ app. Please keep the aircraft within your visual line of sight and visually observe the flight. Please use your sound discretion to operate the aircraft and avoid obstacles timely and manually. It is important to set an appropriate Failsafe and Return-to-Home altitude before each flight.

4. Maintenance and Upkeep

- DO NOT use aged, chipped or broken propellers.
- Recommended storage temperature: between 71° and 82° F (22° and 28° C).
- Refer to the *Intelligent Flight Battery Safety Guidelines* for more information about safe use of the battery.

5. Observe Local Laws and Regulations

- DO NOT fly inside the No Fly Zones. You can find a detailed list of these areas at <http://flysafe.dji.com/>
- 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.

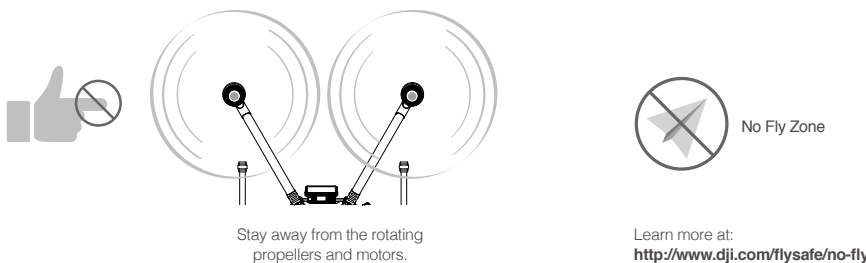


Avoid flying over or near obstacles, crowds, high voltage power lines, trees or bodies of water.

DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.



DO NOT use the aircraft in adverse weather conditions such as rain, fog, snow, lightning and wind speeds exceeding 8 m/s or 17 mph.



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> and click on the Matrice 600 Pro product page.

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 possibility of injury.

CAUTION CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND 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.



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. Use only genuine parts in good condition.
2. Remote controller, Intelligent Flight Batteries, and mobile device are fully charged.
3. Securely mount propellers onto motors, propellers and frame arms are unfolded, and motors can start and function normally.
4. All parts are mounted securely, and cables are connected correctly and firmly.
5. All the arrows on the GPS-Compass Pro point toward the front of the aircraft.
6. Follow the on-screen instructions to calibrate the compass.
7. DJI GO app and aircraft's firmware have been upgraded to the latest version.
8. Your flight area is outside of any No Fly Zones and flight conditions are suitable for flying the aircraft.
9. Be sure that you are NOT flying under the influence of alcohol, drugs or any substance that may impair your cognitive abilities.
10. Be familiar with the selected flight mode and understand all safety functions and warnings.
11. Be sure to observe all local regulations, obtain appropriate authorizations, and understand the risks. REMEMBER: It is solely your responsibility to comply with all flight regulations.
12. Please MAINTAIN LINE OF SIGHT (WITH YOUR EYES) OF YOUR AIRCRAFT AT ALL TIMES. Please do not only rely on first person view camera to control your aircraft.
13. Ensure the DJI GO app is properly launched to assist your operation of the aircraft. WITHOUT THE FLIGHT DATA RECORDED BY THE DJI GO APP, IN CERTAIN SITUATIONS (INCLUDING THE LOSS OF YOUR AIRCRAFT) DJI MAY NOT BE ABLE TO PROVIDE AFTERSALES SUPPORT TO YOU OR ASSUME LIABILITY.

Disclaimer and Warning

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

While the product adopts advanced technology, inappropriate use of the product could result in personal injury or property damages. Please read the materials associated with the product before your first use of the product. These documents are included in the product package and are also available online on the DJI product page at <http://www.dji.com>.

This product is a multirotor flying platform 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.

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. EXCEPT AS EXPRESSLY PROVIDED IN DJI AFTER-SALES SERVICE POLICIES AVAILABLE AT ([HTTP://WWW.DJI.COM/SERVICE](http://www.dji.com/service)), THE PRODUCT AND ALL MATERIALS, AND CONTENT AVAILABLE THROUGH THE PRODUCT ARE PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED. DJI DISCLAIMS ALL WARRANTIES OF ANY KIND, EXCEPT AS EXPRESSLY PROVIDED IN DJI AFTER-SALES SERVICE POLICIES, WHETHER EXPRESS OR IMPLIED, RELATING TO THE PRODUCT, PRODUCT ACCESSORIES, AND ALL MATERIALS, INCLUDING: (A) ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, QUIET ENJOYMENT, OR NON-INFRINGEMENT; AND (B) ANY WARRANTY ARISING OUT OF COURSE OF DEALING, USAGE, OR TRADE. DJI DOES NOT WARRANT, EXCEPT AS EXPRESSLY PROVIDED IN DJI LIMITED WARRANTY, THAT THE PRODUCT, PRODUCT ACCESSORIES, OR ANY PORTION OF THE PRODUCT, OR ANY MATERIALS, WILL BE UNINTERRUPTED, SECURE, OR FREE OF ERRORS, VIRUSES, OR OTHER HARMFUL COMPONENTS, AND DO NOT WARRANT THAT ANY OF THOSE ISSUES WILL BE CORRECTED.

NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM THE PRODUCT, PRODUCT ACCESSORIES, OR ANY MATERIALS WILL CREATE ANY WARRANTY REGARDING DJI OR THE PRODUCT THAT IS NOT EXPRESSLY STATED IN THESE TERMS. YOU ASSUME ALL RISKS FOR ANY DAMAGE THAT MAY RESULT FROM YOUR USE OF OR ACCESS TO THE PRODUCT, PRODUCT ACCESSORIES, AND ANY MATERIALS. YOU UNDERSTAND AND AGREE THAT YOU USE THE PRODUCT AT YOUR OWN DISCRETION AND RISK, AND THAT YOU ARE SOLELY RESPONSIBLE FOR ANY PERSONAL INJURY, DEATH, DAMAGE TO YOUR PROPERTY (INCLUDING YOUR COMPUTER SYSTEM OR MOBILE DEVICE OR DJI HARDWARE USED IN CONNECTION WITH THE PRODUCT) OR THIRD PARTY PROPERTY, OR THE LOSS OF DATA THAT RESULTS FROM YOUR USE OF OR INABILITY TO USE THE PRODUCT.

SOME JURISDICTIONS MAY PROHIBIT A DISCLAIMER OF WARRANTIES AND YOU MAY HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION.

DJI is a trademark of SZ DJI TECHNOLOGY CO., LTD. (abbreviated as "DJI") and its affiliated companies. Names of products, brands, etc., appearing in this document are trademarks or registered trademarks of their respective owner companies.

Limitation of Liability

IN NO EVENT WILL THE DJI ENTITIES BE LIABLE TO YOU FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, GOODWILL, OR ANY OTHER INTANGIBLE LOSS) ARISING OUT OF OR RELATING TO YOUR ACCESS TO OR USE OF, OR YOUR INABILITY TO ACCESS OR USE, THE PRODUCT, PRODUCT ACCESSORIES, OR ANY MATERIALS, FLIGHT ENVIRONMENT DATA, WHETHER BASED ON WARRANTY, CONTRACT, TORT (INCLUDING NEGLIGENCE), STATUTE, OR ANY OTHER LEGAL THEORY, AND WHETHER OR NOT ANY DJI ENTITY HAS BEEN INFORMED OF THE POSSIBILITY OF DAMAGE.

EXCEPT AS OTHERWISE AGREED UPON BETWEEN YOU AND DJI, THE AGGREGATE LIABILITY OF THE DJI ENTITIES TO YOU FOR ALL CLAIMS ARISING OUT OF OR RELATING TO THE USE OF OR ANY INABILITY TO USE ANY PORTION OF THE PRODUCT OR OTHERWISE UNDER THESE TERMS, WHETHER IN CONTRACT, TORT, OR OTHERWISE, IS LIMITED TO \$100.

Data Storage and Usage

When you use our mobile apps or our products or other software, you may provide DJI with 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 record. Please refer to DJI Privacy Policy (available at dji.com/policy) for more information.

DJI reserves the right to update this Disclaimer and Safety Guidelines. Please visit <http://www.dji.com> and check your email periodically for the latest version. This disclaimer is made in various language versions; in the event of divergence among different versions, the English version shall prevail.

Compliance Information

FCC Warning Message

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.

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 radiate 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

This equipment 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 during normal operation.

IC RSS Warning

This device complies with Industry Canada licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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

NCC Warning Message

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

KCC Warning Message

“해당무선설비는 운용 중 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.”
“해당 무선설비는 운용 중 전파혼신 가능성이 있음”

EU Compliance Statement

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 Directive 2014/53/EU. A copy of the EU Declaration of Conformity is available online at www.dji.com/euro-compliance
EU contact address: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

Declaración de cumplimiento UE: SZ DJI TECHNOLOGY CO., LTD. por la presente declara que este dispositivo cumple los requisitos básicos y el resto de provisiones relevantes de la Directiva 2014/53/EU. Hay disponible online una copia de la Declaración de conformidad UE en www.dji.com/euro-compliance
Dirección de contacto de la UE: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

EU-verklaring van overeenstemming: SZ DJI TECHNOLOGY CO., LTD. verklaart hierbij dat dit apparaat voldoet aan de essentiële vereisten en andere relevante bepalingen van Richtlijn 2014/53/EU. De EU-verklaring van overeenstemming is online beschikbaar op www.dji.com/euro-compliance
Contactadres EU: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

Declaração de conformidade da UE: A SZ DJI TECHNOLOGY CO., LTD. declara, através deste documento, que este dispositivo está em conformidade com os requisitos essenciais e outras disposições relevantes da Diretiva 2014/53/EU.

Existe uma cópia da Declaração de conformidade da UE disponível online em www.dji.com/euro-compliance

Endereço de contacto na UE: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

Dichiarazione di conformità UE: SZ DJI TECHNOLOGY CO., LTD. dichiara che il presente dispositivo è conforme ai requisiti essenziali e alle altre disposizioni rilevanti della direttiva 2014/53/EU.

Una copia della dichiarazione di conformità UE è disponibile online all'indirizzo Web www.dji.com/euro-compliance

Indirizzo di contatto UE: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

Déclaration de conformité UE: Par la présente, SZ DJI TECHNOLOGY CO., LTD déclare que cet appareil est conforme aux principales exigences et autres clauses pertinentes de la directive européenne 2014/53/EU.

Une copie de la déclaration de conformité UE est disponible sur le site www.dji.com/euro-compliance

Adresse de contact pour l'UE : DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany

EU-Compliance: Hiermit erklärt SZ DJI TECHNOLOGY CO., LTD., dass dieses Gerät den wesentlichen Anforderungen und anderen einschlägigen Bestimmungen der EU-Richtlinie 2014/53/EU entspricht.

Eine Kopie der EU-Konformitätserklärung finden Sie online auf www.dji.com/euro-compliance.

Kontaktadresse innerhalb der EU: DJI GmbH, Industriestrasse. 12, 97618, Niederlauer, Germany



CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Environmentally friendly disposal



Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free.

■ The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

Before You Begin

The following documents have been produced to help you safely operate and make full use of your Matrice 600 Pro:

In the Box

Disclaimer and Safety Guidelines

Quick Start Guide

Intelligent Flight Battery Safety Guidelines

User Manual

Check to see that you have all of the components listed in the *In the Box* document. Before assembly, read the *Disclaimer and Safety Guidelines*. Then prepare for your first flight by using the *Quick Start Guide*. For more information, please refer to the *User Manual* available on the DJI website. 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 avoid component malfunction, 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 there are no foreign objects (such as water, oil, soil, sand, etc.) inside of the aircraft or its components.**
3. **Ensure the aircraft and its components—including but not limited to the remote controller, flight controller, LIGHTBRIDGE™ 2 Air System, landing gears, GPS, compass, propulsion system, and batteries—are all in good working order, damage-free, and functioning well. Refer to the remaining sections in this document for more details on how to ensure the functionality of these components.**
4. **DO NOT remove parts that come with the aircraft—including but not limited to the flight controller, power management unit, and Lightbridge 2 Air System—for other uses. DO NOT replace any of them with other parts.**
5. **Do not modify or alter the aircraft, its components, and parts. Unauthorized modification may cause malfunctions and affect the aircraft's functionality and safety.**

Remote Controller

NOTICE

1. Ensure the remote controller is fully charged before each flight.
2. If the remote controller is powered on and has NOT been used for 5 minutes, it will sound an alert. After 10 minutes it will automatically power off. Move the sticks or perform some other action to cancel the alert.
3. Adjust the clamp of the mobile device holder to allow a firm grip on your mobile device.
4. Ensure the antennas of the remote controller are unfolded and adjusted to the proper position to achieve optimal transmission quality.
5. Repair or replace the remote controller if damaged. A damaged remote controller antenna will greatly decrease performance.

6. For the GPS in the remote controller to function properly and the Home Point to be accurate, ensure the DJI logo is facing the sky and keep the remote controller away from any metal objects.
7. Linking is required if you wish to replace your remote controller or receiver or add a new remote controller. Refer to the User Manual for details.
8. Make Sure that you first switch off the aircraft (after it is safe to do so), then switch off the remote controller. Otherwise it may cause the lost of control of the aircraft.

Center Frame

WARNING

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

1. DO NOT short out the reserved ports on the center frame.
2. There are two DC18V power ports and one LIPO-6S power port reserved on the center frame. The DC18V power ports have an output voltage of 18 V and a maximum output current of 3 A. The LIPO-6S power port has the same output voltage as the Intelligent Flight Battery and a maximum output current of 10 A. Use the power ports in strict accordance with their specifications.
3. DO NOT damage the cables when mounting or removing the upper or lower plate of the center frame.

Frame Arms

WARNING

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

1. The external antennas of the Lightbridge 2 Air System are mounted to the M3 and M6 frame arms upon delivery. DO NOT move the antennas.

Retractable Modules

WARNING

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

1. DO NOT interchange the cabling of the left and right retractable modules, or else the landing gear will not function normally.

Landing Gears

WARNING

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

1. Mind your fingers when mounting the springs to the landing gears.
2. Ensure the landing gears are lowered before landing.

Flight Control System

WARNING

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

Flight Controller

1. **DO NOT** attempt to modify the structure of the flight controller.
2. **DO NOT** change the mounting position and orientation of the flight controller.
3. **DO NOT** short out the ports on the flight controller.
4. Connect cables in strict accordance with port descriptions.

Power Management Unit (PMU)

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. Only use the power cable extending from the center frame to supply power to the PMU.

IMU Pro (Redundancy System)

1. **DO NOT** change the mounting position and orientation of the IMU Pro.
2. Settings in the DJI Assistant 2 are correct.

NOTICE

Flight Controller

1. The flight controller is neither waterproof nor oil-proof. **DO NOT** allow it to come into contact with any kind of liquid.
2. Check regularly to ensure the flight controller is firmly secured.
3. **DO NOT** place devices producing heat near the flight controller.

PMU

1. The PMU is neither waterproof nor oil-proof. **DO NOT** allow it to come into contact with any kind of liquid.
2. **DO NOT** block or cover the PMU to maximize heat dissipation and system performance.

IMU Pro (Redundancy System)

1. The IMU Pro is neither waterproof nor oil-proof. **DO NOT** allow it to come into contact with any kind of liquid.
2. Check regularly to ensure the IMU Pro is firmly secured.

Lightbridge 2 Air System

WARNING

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

1. **ONLY** use the DBUS cable that comes with the Matrice 600 Pro, or else the Lightbridge 2 Air System will not function normally.

GPS-Compass Pro

WARNING

To avoid component malfunction, serious injury, and property damage, make sure:

1. **GPS-Compass Pro's collapsible mount is unfolded and the extension rod is securely mounted before each flight.**
2. **GPS-Compass Pro are securely mounted and the arrows are pointing toward the front of the aircraft.**
3. **Settings in the DJI ASSISTANT™ 2 are correct.**

CAUTION

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

1. Land immediately when severe drifting occurs in flight, i.e., the aircraft does NOT fly in straight lines.

NOTICE

GPS

1. Avoid catching your fingers in the collapsible mount of the GPS-Compass Pro.
2. Separate the GPS-Compass Pro from the body of the aircraft using the extension rod.
3. Fly in open areas. Tall buildings or steel structures may block the GPS signal and affect the accuracy of the on-board compass.

Compass

1. Ensure that the compass is calibrated before your first flight.
2. DO NOT calibrate your compass where there is a chance of strong magnetic interference, such as magnetite, parking structures, and steel reinforcements underground.
3. DO NOT carry ferromagnetic materials with you during calibration such as cellular phones.
4. The DJI GO app will prompt you to resolve the compass issue if the compass is affected by strong interference after calibration is complete. Follow the prompted instructions to resolve the compass issue.

Propulsion System

WARNING

To avoid serious injury to yourself or others, which may be caused by the rotating propellers and motors, observe the following rules:

Propellers

1. **DO NOT use aged, chipped, or broken propellers.**
2. **Always power off the aircraft before touching the propellers.**
3. **Be aware of the sharp edges of the propellers when mounting or removing the propellers. Wear gloves or take other protective measures when touching the propellers.**
4. **Ensure that the propellers are securely mounted and tightened before each flight to prevent them from falling off the motors.**
5. **Ensure that the propellers are unfolded before each flight.**
6. **DO NOT turn on the motors when propellers are mounted and there are other people or animals in the immediate vicinity.**
7. **Using non-DJI-authenticated propellers may compromise the performance of the aircraft.**

Motors

1. **Ensure that the motors are securely mounted and rotating smoothly.**
2. **DO NOT attempt to modify the structure of the motors.**
3. **DO NOT touch or let your hands or body come in contact with the motors after flight as they may be hot.**

CAUTION

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

1. DO NOT block any of the ventilation holes on the motors.

NOTICE

Motors

1. Keep the motors free of dust.
2. If a motor is stuck and unable to rotate freely, execute the CSC (Combination Stick Command) to stop the motors immediately.
3. Ensure the motors sound a normal tune when powered on.

DJI GO App

NOTICE

1. Be sure to fully charge your tablet or mobile device before launching the DJI GO app. A tablet is recommended for a better 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 or use the texting features 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. Read and understand the warning messages before:
 - a. Using the Auto-take off and Auto-landing features.
 - b. Re-setting your Home Point.
 - c. Setting the altitude beyond the default limit.
 - d. Switching between 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. Cache the map data of the area where you intend to fly the aircraft by connecting to the Internet before each flight.
8. The app is designed to assist your operation. Please use your sound discretion and DO NOT rely on the app to control your aircraft.
9. Your use of the app is subject to the DJI GO app Terms of Use and DJI Privacy Policy. Please read them carefully in the app.

Firmware

WARNING

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

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

NOTICE

1. For safety, always update the firmware to the latest version when an upgrade notification is shown in the DJI GO app.
2. Firmware upgrade notifications will inform about new firmware upgrades. You are required to read and understand the information shown. You further understand and agree that the data including but not limited to flight telemetry data and user selection records may be uploaded to and maintained on a DJI-designated server.
3. Only use official DJI firmware.
4. Be sure to update the remote controller's firmware to the latest version after you update the aircraft's firmware.
5. The remote controller may become unlinked from the aircraft after updating. Re-link the remote controller and aircraft.

Product Care

Storage and Transportation

WARNING

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

1. **Small parts, such as cables and straps, are dangerous if swallowed. Keep all parts out of reach of children and animals.**
2. **Remove the Intelligent Flight Batteries during transportation.**
3. **Remove the gimbal from the aircraft during transportation or when storing for an extended period.**
4. **For storage, remove the landing gears, lower the retractable modules, then lower the frame arms to prevent damage.**

NOTICE

1. Store the Intelligent Flight Battery and remote controller in a cool, dry place away from direct sunlight to ensure that the built-in LiPo battery does NOT overheat. Recommended storage temperature: between 22° and 28°C (71° and 82° F) for storage periods of more than three months. Never store in environments outside the temperature range of -20° to 45° C (-4° to 113° F).

Maintenance and Upkeep

NOTICE

1. Inspect the aircraft every 50 flights, or after flying for over 20 hours, in order to keep the aircraft working properly.
2. 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.
3. Regularly check the Battery Level Indicators to see the current battery level and overall battery life. When the battery life reaches 0%, it can no longer be used.
4. Please refer to the Intelligent Flight Battery Safety Guidelines for more information on battery maintenance and upkeep.

Flight Condition Requirements

Weather Conditions and Surrounding Environment

WARNING

The aircraft 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 aircraft in severe weather conditions. These include wind speeds exceeding 8 m/s, snow, rain, smog, heavy wind, hail, lightning, tornadoes or hurricanes.
2. **Keep the aircraft at least 10 meters (30 feet) away from obstacles, people, animals, buildings, public infrastructure, trees, and bodies of water when in flight. As the aircraft's altitude increases, keep an even further distance away from the aforementioned objects or obstacles.**
3. **Be EXTRA cautious when operating the aircraft indoors. Some features of the aircraft, especially the stabilization feature, may be impacted.**

NOTICE

1. Aircraft and battery performance is subject to environmental factors such as air density and temperature.
 - a. Be very careful when flying 8,202 feet (2,500 meters) or more above sea level as battery and aircraft performance may be reduced.
2. **DO NOT** use the aircraft near accidents, fire, explosions, floods, tsunamis, avalanches, landslides, earthquakes, dust, or sandstorms.

Interference with Flight Controller and Communications

NOTICE

1. Fly in open areas. Tall buildings or steel structures may affect the accuracy of the on-board compass and block the GPS signal.
2. Avoid interference from other wireless equipment, because it may affect the remote controller. Make sure to turn off the Wi-Fi on your mobile device.
3. Flying near areas with magnetic or radio interference (e.g., vicinity of high voltage lines, large scale power transmission stations, mobile base stations, broadcasting towers) may cause GPS, compass, remote controller or video transmission errors. The aircraft may behave abnormally or lose control in areas with strong interference.

Operating the Aircraft 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. **Never stop the motors mid-flight unless in emergency situations when doing so can reduce the risk of damage or injury.**
3. **Upon landing, power off the aircraft first, then power off the remote controller.**

4. **DO NOT drop, launch, fire or otherwise project any dangerous payloads on or at any buildings, persons or animals, or which could cause personal injury or property damage.**

NOTICE

1. Make sure you have been sufficiently trained and have contingency plans for emergency situations or for when accidents occur.
2. Make sure you have a flight plan and never fly the aircraft recklessly.
3. Respect the privacy of others when using the camera. Make sure you comply with local privacy laws, regulations, and moral standards.
4. DO NOT use this product for any illegal or inappropriate purpose (such as spying, military operations, or unauthorized investigations).
5. 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.
6. DO NOT trespass onto private property of others.

Flight Modes, Functions and Warnings

Flight Modes

WARNING

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

1. **DO NOT** switch from P-mode to either A-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 fly the aircraft safely.
2. The aircraft will enter A-mode in the following two instances:
 - a. **Passive:** When there is weak GPS signal or when the compass experiences interference.
 - b. **Active:** Users toggle the flight mode switch to A-mode.

In A-mode, some advanced features are disabled. Therefore, the aircraft cannot position in this mode and is easily affected by its surroundings, which may result in horizontal shifting. Use the remote controller to position the aircraft.

Maneuvering the aircraft in A-mode can be difficult. Before switching the aircraft into A-mode, make sure you are comfortable flying in this mode. **DO NOT** fly the aircraft too far away as you might lose control and cause a potential hazard.

Avoid flying in areas where GPS signal is weak, or in confined spaces. The aircraft will otherwise be forced to enter A-mode, leading to potential flight hazards, please land it in a safe place as soon as possible.

NOTICE

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

1. P-mode (Positioning): P-mode works best when the GPS signal is strong. There are different states of P-mode, which will be automatically selected by the Matrice 600 Pro depending on GPS signal strength:
 - a. P-GPS: GPS is available, and the aircraft is using GPS for positioning.
 - b. P-ATTI: When GPS is not available, the aircraft is using only its barometer for positioning, so only altitude is controlled.
2. A-mode (Attitude): The GPS is 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. Ensure you are familiar with Intelligent Flight functions before use.

If you intend to switch to modes that disable GPS assistance (e.g., A-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. Press the RTH (Return-to-Home) button on the remote controller to bring the aircraft back to the Home Point. DO NOT resort to turning off the remote controller to force the aircraft to return to Home Point.
3. Tall buildings may adversely affect the RTH procedure. 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. When updating the Home Point, do NOT block the GPS signal of the remote controller and ensure the new Home Point is correct on the live map.
6. Only use the Return-to-Home functions in emergency cases, as they may be affected by the weather, the environment, or any nearby magnetic fields.
7. DO NOT update the Home Point near tall buildings, as the GPS may be blocked and lead to an incorrect location being stored.
8. The aircraft cannot avoid obstacles during the Failsafe RTH; therefore it is important to set an appropriate Failsafe altitude before each flight.
9. During the Failsafe RTH, the pilot may regain control of the aircraft if the remote controller signal is re-established. Moving the left stick when the aircraft reaches 65 feet (20 meters) altitudes or beyond will cancel the ascending process and command the aircraft to return to the home point immediately. Pressing the RTH button once during the Failsafe RTH will cancel the RTH process immediately.

Low Battery

NOTICE

1. When the Critical Battery Level 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 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.

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 the most appropriate action that suits 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 image capture or video recording on 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

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. A detailed list of No Fly Zones is available 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. Fly NO higher than 120 meters (400 feet) 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.

DJI Support

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

This content is subject to change.

Download the latest version from

<http://www.dji.com/matrice600-pro>

If you have any questions about this document, please contact DJI by sending an email to DocSupport@dji.com.

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