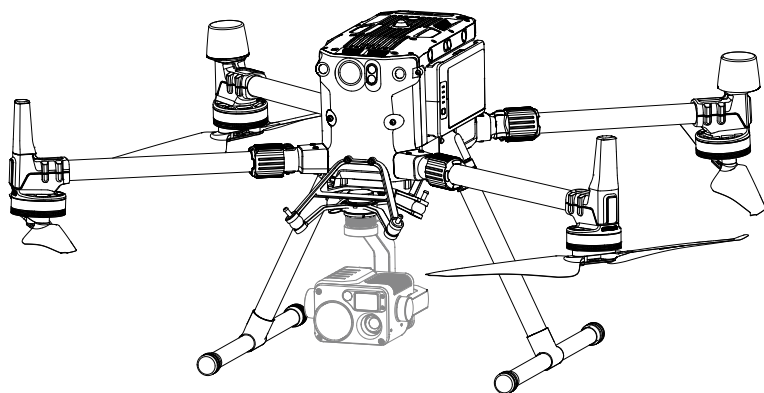


MATRICE 300 RTK

User Manual

v4.0 2023.05



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.

Revision Log

Version	Date	Revisions
v3.0	2021.11	Updated content after v03.00.01.01 firmware update.
v3.2	2022.1	Added Buffer zone descriptions.
v4.0	2023.04	Updated the User Manual content with the aircraft firmware of v06.01.01.00, the remote controller firmware of v06.01.01.00, and the app version of v6.1.2.3 (the app chapter is up to DJI Pilot 2).

Using This Manual

Legends

⚠ Warning

⚠ Important

💡 Hints and Tips

📖 Reference

Before Flight

The following materials have been produced to help users make full use of the M300 RTK.

1. In the Box
2. Disclaimer and Safety Guidelines
3. Quick Start Guide
4. Intelligent Flight Battery Safety Guidelines
5. User Manual

Watching all the tutorial videos and reading the Disclaimer and Safety Guidelines before flight is recommended. Afterwards, prepare for your first flight by using the Quick Start Guide. Refer to this manual for more comprehensive information.

Tutorial Videos

Go to the address below or scan the QR code to watch the product tutorial videos, which demonstrate how to use the product safely.



<https://www.dji.com/matrice-300/video>

Download the DJI Assistant 2 (Enterprise Series)

Download and install the ASSISTANT™ 2 (Enterprise Series) before use.
<https://www.dji.com/matrice-300/downloads>

-
- ⚠ The operating temperature of this product is -20° to 50° C. It does not meet the standard operating temperature for military grade application (-55° to 125° C), which is required to endure greater environmental variability. Operate the product appropriately and only for applications that it meets the operating temperature range requirements of that grade.
-

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Product Profile

This chapter describes the features of the Matrice 300 RTK, shows how to assemble the aircraft, and contains diagrams of the aircraft and remote controller with component explanations.

Product Profile

Introduction

The MATRICE™ 300 RTK (M300 RTK) is a powerful industrial drone platform with an advanced flight controller system, 6 Directional Sensing and Positioning system and FPV camera. To enhance reliability and safety, it also supports CSM Radar - an additional obstacle detection component that can be mounted on top of the drone. It features several advanced flight functions including 6 directional sensing and positioning, AI spot-check ^[1], Smart Track ^[2], PinPoint ^[2], Location Sharing ^[2], Primary Flight Display and more. The built-in AirSense provides awareness of nearby aircraft within the surrounding airspace to ensure safety.

Its airframe design gives it an IP45 Ingress Protection, in accordance with the global IEC 60529 standard. The mechanical design, along with quick-release landing gears and mounted folding arms, makes it easy to transport, store, and prepare for flight. The safety beacons on both the top and the bottom of the aircraft allow the aircraft to be identified at night or in low light conditions. The auxiliary lights help the vision positioning system achieve better performance at night or in low light conditions, improving aircraft takeoff, landing and flight safety.

M300 RTK is compatible with many of DJI's DGC2.0 connector gimbals, supporting multi-gimbal system, which can support up to three independent gimbals to meet the needs of different scenarios. ^[3]

The Matrice 300 RTK is equipped with several expansion ports for broader applications. It has a built-in RTK module, which provides more accurate heading data for positioning. ^[3] An advanced power management system along with dual batteries ensures power supply and enhances flight safety. Without a payload, the M300 RTK has a flight time of up to 55 minutes. ^[4]

[1] Must be used with the H20 series gimbal camera.

[2] Must be used with the H20N or H20 series gimbal camera.

[3] The Vision and Infrared Sensing Systems are affected by surrounding conditions. Read the Disclaimer and Safety Guidelines to learn more. Gimbals can be purchased separately from the official DJI website. Please refer to the user manual for more details about expansion ports, upward gimbals, and downward gimbals.

[4] Please note that maximum flight time is measured in ideal flight conditions. Actual flight time may vary depending on your environment.

Feature Highlights

The flight controller provides a safe and reliable flight experience. A flight recorder stores critical data from each flight. Dual IMUs and barometers design provide additional redundancy. The aircraft can hover and fly in extremely low altitude and indoor environments, and provides 6 directional obstacle sensing and vision positioning functions.

The built-in AirSense system alerts you of nearby aircraft in the surrounding airspace to ensure safety. The safety beacons on both the top and the bottom of the aircraft allow the aircraft to be identified at night or in low light conditions. The auxiliary lights help the vision positioning system achieve better performance at night or in low light conditions, improving aircraft takeoff, landing and flight safety. The airframe design gives the aircraft an IP45 Ingress Protection, in accordance with the global IEC 60529 standard.

Powered by a new design of software and hardware platform, M300 RTK boasts multiple intelligent features. With the H20 series, M300 RTK supports AI Spot-check to take photos during flight for Demo Flight, save as Flight Mission, and the aircraft can automatically take photo at the same position when each Flight Mission is performed. PinPoint enables users to mark fixed subjects and share location in real-time. Smart Track is used to automatically identify subjects and keep track of mobile ones. The

subject is centered and in the right size, and shares its location in real-time thanks to auto zoom. A new Primary Flight Display presents the necessary flight status clearly and visually in the FPV view, aiming to ensure the user's flight safety and efficiency.

The DJI Smart Controller Enterprise (hereinafter referred to as "Smart Controller") features OCUSYNC™ Enterprise technology, capable of controlling aircraft that supports this technology, and providing a live HD view from the aircraft's camera. It can transmit image data at distances of up to 9.32 mi (15 km) and comes with a number of aircraft and gimbal controls as well as some customizable buttons. The built-in 5.5-inch high brightness 1000 cd/m² screen has a resolution of 1920×1080 pixels, featuring an Android system with multiple functions such as Bluetooth and GNSS. In addition to supporting Wi-Fi connectivity, it is also compatible with other mobile devices for more flexible usage. An HDMI port is available for HD images and video output. The transmission system supports 2.4 GHz and 5.8 GHz to ensure a more reliable connection in environments prone to signal interference. The AES-256 encryption keeps your data transmission secure so you can be sure that your critical information remains safe.*

The TimeSync system continuously aligns the flight controller, camera, GNSS module, as well as onboard accessories via the Payload SDK or Onboard SDK at the microsecond level. It meets SDK developers' requirements on time precision.

An advanced power management system along with dual batteries ensures power supply and enhances flight safety. Without a payload, the aircraft has a flight time of up to 55 minutes. The batteries can be replaced when without powering off the aircraft, enabling non-stop, continuous operations.

The camera unit is independent from image processor so that you have the flexibility to choose the perfect gimbal and camera system (including ZENMUSE™ XT2 / XT S** / Z30 / P1*** / L1*** / H20N*** / H20, and H20T) for each of your application. This means that regardless of which camera you choose, you have the same powerful processing backing it. The M300 RTK allows for multiple payload configurations. It supports an upward gimbal, a single downward gimbal, dual downward gimbals, or an upward gimbal + a downward gimbal. It is equipped with many expansion ports for broader applications.

The aircraft has a built-in RTK module, which provides more accurate heading data for positioning. More accurate positioning data can be achieved when using with a DJI D-RTK 2 High Precision GNSS Mobile Station.

* The Smart Controller can reach its maximum transmission distance (FCC) in an unobstructed area with no electromagnetic interference at an altitude of about 400 feet (120 meters). The actual maximum transmission distance may be less than the distance mentioned above due to interference in the operating environment, and the actual value will fluctuate according to the strength of interference. To comply with local regulations, the 5.8 GHz frequency is not available in some countries and regions.

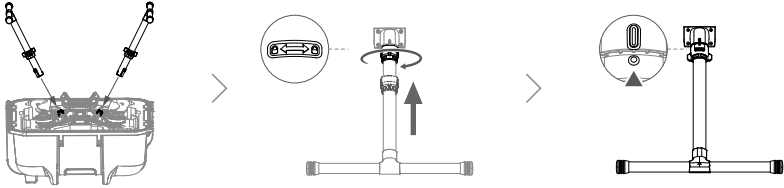
** The Zenmuse XT S is only available in select countries and regions.

*** The aircraft must be updated to the latest firmware.

Preparing the Aircraft

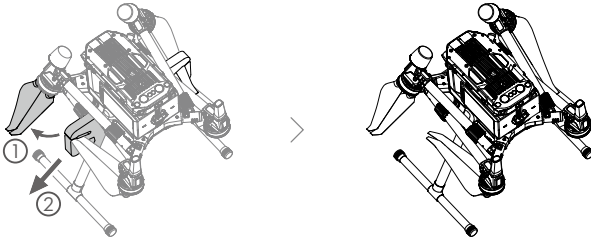
Installing the Landing Gears

Install the landing gears, slide the gear lock to the end of the landing gear, then rotate it about 90° until the dot is in sync with the alignment mark.

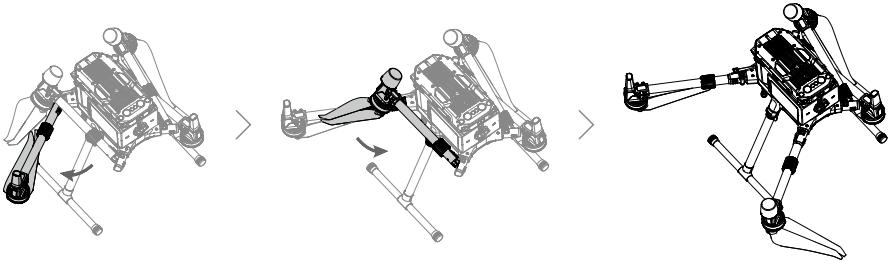


Unfolding the Aircraft

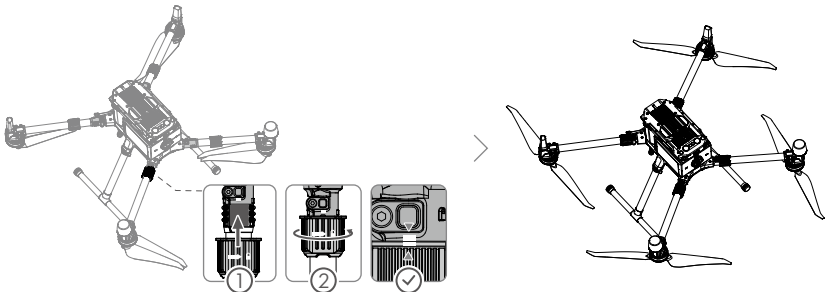
Remove the two propeller holders.



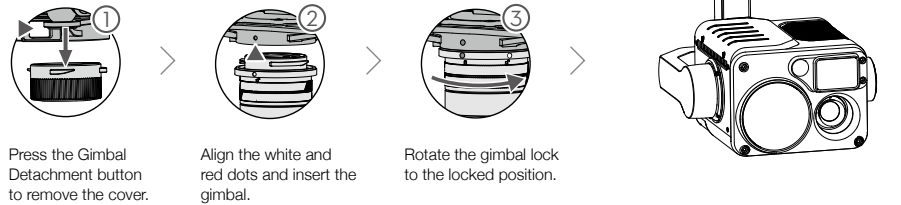
Unfold the frame arms on both sides in the same way.



Lock the frame arms and unfold the propellers.



Mounting the Gimbal and Camera

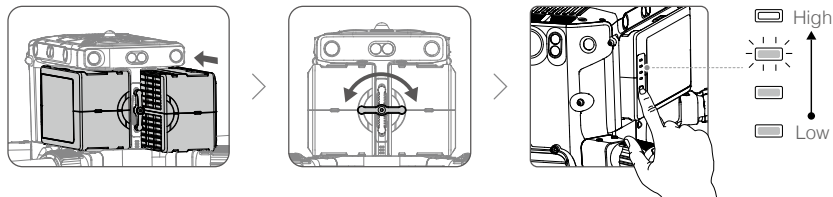


- ⚠ • After installation, make sure that the gimbal lock is locked in place.
- Make sure to press down the Gimbal Detachment button when rotating the gimbal lock to remove the gimbal and camera. The gimbal lock should be fully rotated when removing the gimbal for the next installation.

Mounting the Intelligent Flight Batteries / Checking the Battery Level

Insert a pair of batteries.

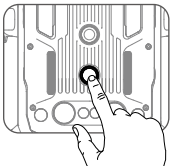
Press the battery level button once to check the battery level.



Turning On the Aircraft

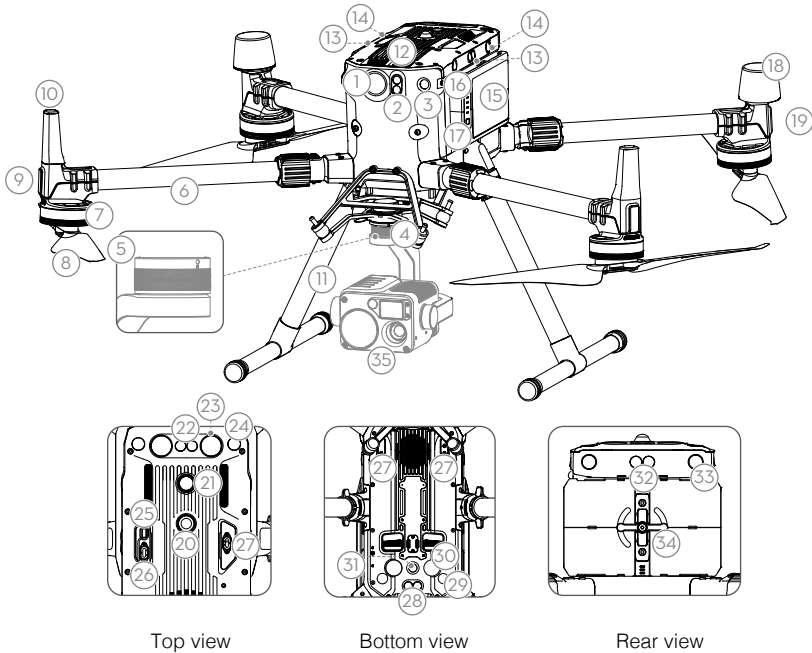
Turn on / off: Press the power button on the aircraft, within 3 seconds press again and hold to turn on / off the aircraft, with the power indicator solid on.

Link: Press and hold the aircraft's power button at least five seconds to link the aircraft and Smart Controller. The power indicator will blink during linking.



- ⚠ • If for any unforeseeable circumstances, that only one battery is available during flight, land the aircraft immediately and replace the batteries as soon as possible.
- The PSDK and OSDK ports have built-in temperature sensors. If the device temperature is too high due to too large payload power, the aircraft will automatically power off the payload for protection.
- Make sure to use the included batteries. DO NOT use any other type of batteries.

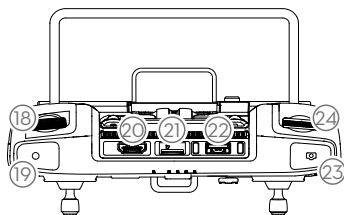
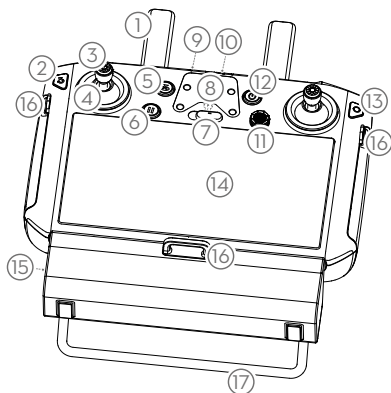
Aircraft Diagram



- | | |
|--|--------------------------------------|
| 1. FPV Camera | 19. Aircraft Status Indicators |
| 2. Forward Infrared Sensing System | 20. Upward Beacon |
| 3. Forward Vision System | 21. Power Button / Indicator |
| 4. DJI Gimbal Connector v2.0 (DGC2.0) | 22. Upward Infrared Sensing System |
| 5. Gimbal Detachment Button | 23. Top Auxiliary Light |
| 6. Frame Arms | 24. Upward Vision System |
| 7. Motors | 25. Assistant Port |
| 8. Propellers | 26. OSDK Port |
| 9. ESC LEDs | 27. PSDK Port* |
| 10. Transmission Antennas | 28. Downward Infrared Sensing System |
| 11. Landing Gears | 29. Downward Vision System |
| 12. Air Filter | 30. Bottom Auxiliary Light |
| 13. Left and Right Infrared Sensing System | 31. Downward Beacon |
| 14. Left and Right Vision System | 32. Backward Infrared Sensing System |
| 15. Intelligent Flight Batteries | 33. Backward Vision System |
| 16. Battery Level Indicators | 34. Battery Locker |
| 17. Battery Level Button | 35. Gimbal and Camera |
| 18. D-RTK Antennas | |

* The two PSDK ports on the bottom of the aircraft also serve as 1st gimbal port and 2nd gimbal port. Please note that the single downward gimbal must be connected to 1st gimbal port.

Remote Controller Diagram



1. Antennas

2. Back Button / Function Button

Press once to return to the previous page and press twice to go back to the homepage. Hold to view a guide to using button combinations. Refer to the Button Combinations section for more information.

3. Control Sticks

4. Stick Covers

5. RTH Button

6. Flight Pause Button

7. Flight Mode Switch

8. Position for Mounting Bracket (with built-in GPS module under it)

9. Status LED

10. Battery Level LEDs

11. 5D Button

The default configuration is listed below. The functions can be set in DJI Pilot 2.

Up: Camera zoom in

Down: Camera zoom out

Left: Decrease EV value

Right: Increase EV value

Go to Settings > Control Stick Navigation to enable this function.

12. Power Button

13. Confirm Button

14. Touch Screen

15. Charging Port (USB-C)

16. Lanyard Hooks

17. Handle

18. Gimbal Pitch Control Dial

19. Record Button

20. HDMI Port

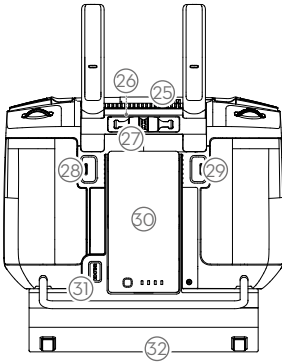
21. microSD Card Slot

22. USB-A Port

Use to connect external devices, or connect to your PC for firmware update.

23. Focus / Shutter Button

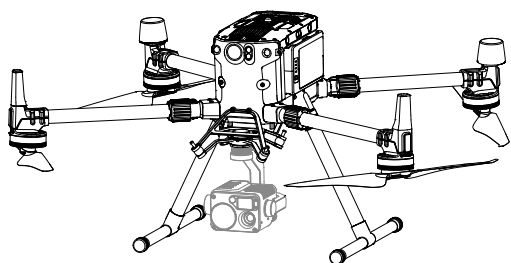
Half press to focus, and then press to take a photo.



- 24. Gimbal Pan Control Dial
- 25. Air Vent
- 26. Sticks Storage Slot
- 27. Spare Sticks
- 28. Customizable Button C2
- 29. Customizable Button C1
- 30. WB37 Intelligent Battery
- 31. Battery Release Button
- 32. Dongle Compartment Cover

Aircraft

This section describes the features of the Flight Controller, Vision System, and the Intelligent Flight Battery.



Aircraft

Profile

The M300 RTK aircraft includes a flight controller, a communication system, vision systems, a propulsion system and an Intelligent Flight Battery. This section describes the functions of these components.

Flight Mode

The following flight modes are available for the aircraft:

P-mode (Positioning) :

P-mode works best when the GNSS signal is strong. The aircraft utilizes the GNSS module and Vision Systems to locate itself, automatically stabilize, and navigate between obstacles. When the obstacle sensing is enabled and lighting conditions are sufficient, the maximum flight attitude angle is 25°. When the GNSS signal is weak and lighting conditions are too dark for the Vision Systems, the aircraft will only use its barometer for positioning to control altitude.

S-mode (Sport):

The aircraft uses GNSS for positioning. Aircraft responses are optimized for agility and speed making it more responsive to stick movements. As obstacle avoidance functions are disabled, the aircraft will not be able to sense and avoid obstacles when in Sport Mode. Only the vision positioning functions are available.

T-mode (Tripod):

T-mode is based on P-mode and the flight speed is limited, which makes the aircraft more stable during shooting.

A-mode (Attitude):

When neither the GNSS nor the Vision Systems are available, only the aircraft barometer is used for positioning to control the altitude.



- The obstacle avoidance function is disabled in S-mode (Sport), which means the aircraft will not be able to automatically avoid obstacles in its flight path. Be vigilant and stay clear of nearby obstacles.
- The aircraft's maximum speed and braking distance are significantly increased in S-mode (Sport). A minimum braking distance of 164 feet (50 meters) is required in windless conditions. The aircraft's responsiveness is significantly increased in S-mode (Sport), which means a small stick movement on the remote controller will translate into a large travel distance of the aircraft. Be vigilant and maintain adequate maneuvering space during flight.



Use the Flight Mode switch on the remote controller to select aircraft flight modes.

Attitude Mode Warning

DO NOT switch from P-mode to either S-mode or T-mode unless you are sufficiently familiar with the aircraft's behavior under each flight mode. You must turn on the "Multiple Flight Modes" setting in the app before you can switch from P-mode to other modes.

The aircraft will automatically enter Attitude mode when both of the following conditions are met: (1) the vision system is unavailable and (2) either there is weak GNSS signal or the compass experiences interference.

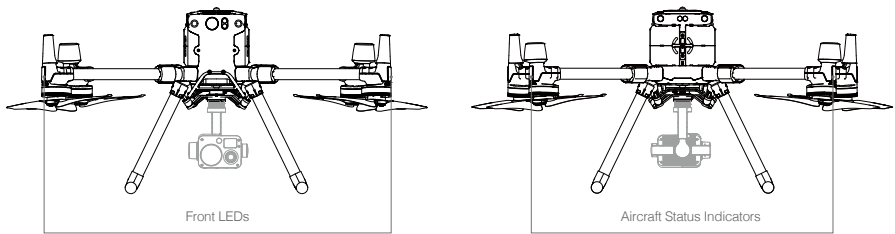
Users can also manually switch to the attitude mode, and the T/P/S mode can be set to A/P/S mode in the app.

In Attitude mode, the Vision System and some advanced features are disabled. Therefore, the aircraft cannot position or auto-brake 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 Attitude mode can be difficult. DO NOT fly the aircraft too far away as you might lose control and cause a potential hazard. Avoid flying in areas where GNSS signal is weak, or in narrow and confined spaces. The aircraft will otherwise be forced to enter Attitude mode, leading to potential flight hazards, please land it in a safe place as soon as possible.

Flight Status Indicator

The aircraft features Front LEDs, and Aircraft Status Indicators. The positions of these LEDs are shown in the figure below:








- 1. The Front LEDs show the orientation of the aircraft.
- 2. The Aircraft Status Indicators communicate the system status of the flight controller. Refer to the table below for more information about the Aircraft Status Indicators.

💡: The Front LEDs, and Aircraft Status Indicators can be turned off in the DJI Pilot 2 app for unobtrusive drone operations.

Aircraft Status Indicator Description

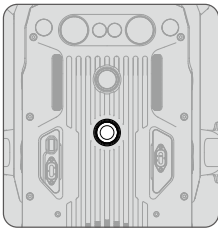
Normal		
⦿-⦿-⦿	Red, green, and yellow flashes	Turning On and Self Diagnostic Testing
⦿	Slow green flashing	P-mode with GNSS positioning*
⦿ ×2	Two green flashes	P-mode with Vision Systems*
⦿-⦿	Alternating green and blue flashing	The RTK function is enabled and RTK data is used.
⦿	Slow yellow flashing	A-mode (no GPS and vision positioning)
⦿	Fast green flashing	Braking automatically after obstacle detected
Warning		
⦿	Fast yellow flashing	Remote Controller Signal Lost
⦿	Slow red flashing	Low Battery Warning

	Fast red flashing	Critical Low Battery Warning
	Red flashing for 5 seconds (when performing CSC)	IMU Error
 —	Solid Red	Critical Error
	Fast alternating red and yellow flashing	Compass Calibration Required
	Alternating red and green flashing	The RTK function is enabled but RTK data is unavailable.

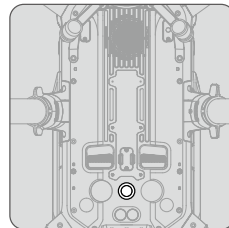
* Slow green flashes indicate P-mode, and fast green flashes indicate S-mode.

Aircraft Beacons


Enables aircraft identification during flight at night or in low light areas.



Top view

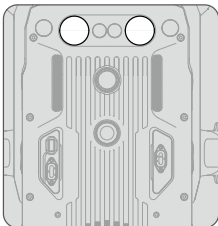


Bottom view

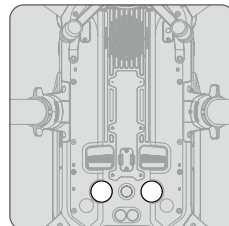
 DO NOT look directly at the beacons when they are in use to avoid damage to your eyes.

Aircraft Auxiliary Lights


The Auxiliary Lights located at the top and bottom of the aircraft improve visibility for the Vision System in poor light conditions.



Top view

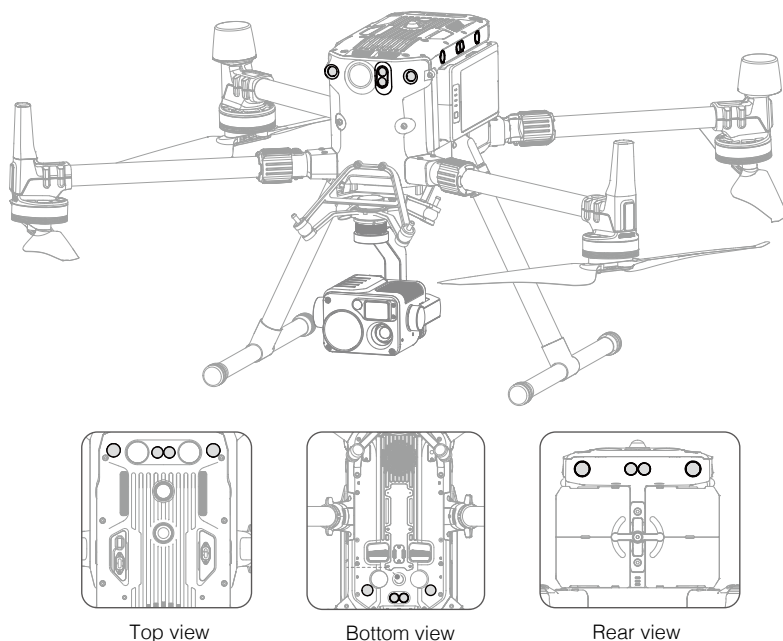


Bottom view

 The Auxiliary Light is automatically enabled when the environment light is too weak and the flight altitude is lower than 5 m. Please note that the Vision System's camera performance may be affected when the auxiliary bottom light is enabled. Fly with caution if the GNSS signal is weak.

Vision System and Infrared Sensing System

Introduction



The main components of the Vision System are located on the front, rear, left, right, top and bottom of the aircraft, including stereo vision sensors. The Infrared Sensing System consists of two infrared sensors on the front, rear, left, right, top and bottom of the aircraft.

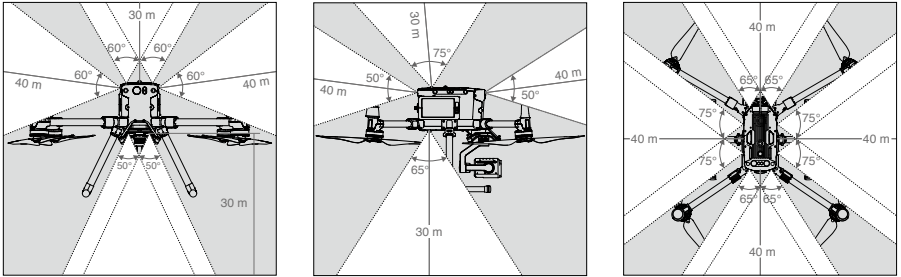
The Vision System uses image data to help the aircraft constantly scan for obstacles and obtain the aircraft position information, and the Infrared Sensing System uses the infrared modules to detect obstacles to judge the aircraft height, allowing the aircraft to maintain its current position, enabling precision hovering indoors or other environments.





To ensure steady flight and general flight safety, DO NOT block the visual and infrared sensors.

Detection Range of the Vision System

The detection range of the Vision System is depicted below. Note that the aircraft cannot sense and avoid obstacles that are not within the detection range.

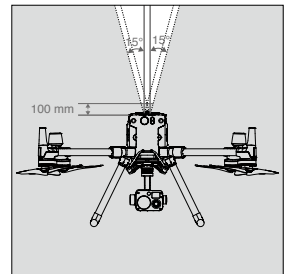


 The aircraft cannot detect objects in the grey area. Please fly with caution.

 Users can set the braking distance and warning distance in the DJI Pilot 2 app. The aircraft can automatically stop when flying near to the braking distance. Once the aircraft enters the warning distance, the obstacle information will be displayed as yellow. When the aircraft is close to the obstacle avoidance safety distance, the obstacle information will be displayed as red.

Detection Range of the Infrared Sensing System

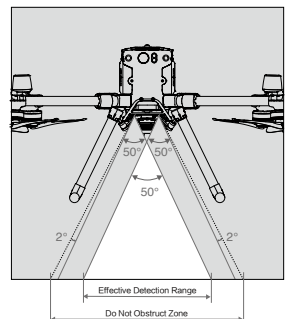
The detection range of the infrared sensors is 8 m. Note that the aircraft cannot sense and avoid obstacles that are not within the detection range.



Not Obstruct Zone Note

A note on the Vision System and the ultrasonic sensor detection range is illustrated below.

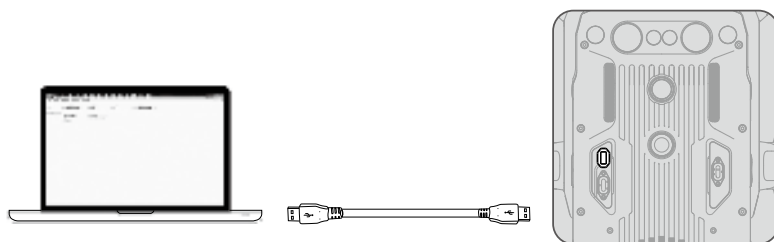
There may be a $\pm 2^\circ$ error in the angle of the Vision System due to errors in the assembly process. To prevent accidents, please DO NOT attach any payload that might be in the sensors' Do Not Obstruct Zone. If the payload comes into the Do Not Obstruct Zone, it is recommended to turn off the vision system in Pilot 2 app and fly with caution.



Calibration

The Vision System cameras installed on the aircraft are factory calibrated. If the aircraft experiences a collision or the working temperature has changed significantly, it may require calibration via DJI Assistant 2 (Enterprise Series). Connect the aircraft to a computer and calibrate the Vision System cameras when prompted in DJI Pilot 2.

1. Power on the aircraft.
2. Connect the aircraft and the PC with a USB-C cable.
3. Launch DJI Assistant 2 (Enterprise Series) and log in with a DJI account.
4. Click M300 RTK and the calibration button.
5. Place the side of visual calibration plate with the dots facing the Vision System, and follow the instructions in the DJI Assistant 2 to complete calibration.



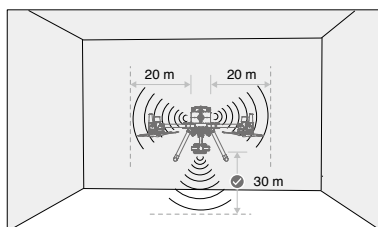
⚠ DO NOT power off or unplug the USB-C cable after calibration. Wait for data calculation.

Using the Vision System

The Vision System enables precision hovering indoors or in environments where GNSS signal isn't available.

When the GNSS signal is available, the Vision System provides auxiliary information for improving aircraft positioning accuracy. The Vision System can work well when within 30 m from the ground and horizontal of 20 m of a wall or other objects to its side, requiring surfaces of clear patterns and adequate lighting.

When the Vision System and Infrared Sensing System are disabled, the flight mode will switch to Attitude Mode.



Follow the steps below to use the Vision System:

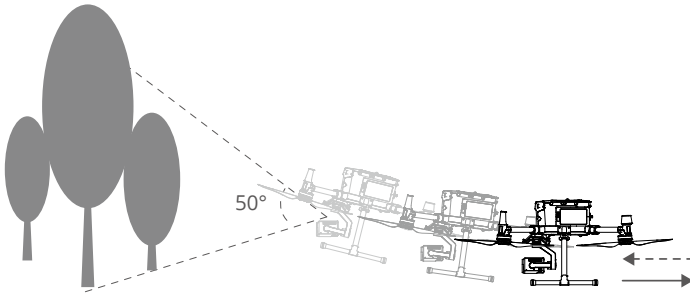
1. Ensure the aircraft is in P-mode and place the aircraft on a flat surface.
2. Turn on the aircraft. The aircraft will hover in place after takeoff. The aircraft status indicators will flash green twice, which indicates the Vision System is working.



If the Vision System shuts down or is blocked by other objects, the aircraft will not be able to hover at a low altitude indoors and the Landing Protection Function that controls the landing speed will be disabled. Note: the aircraft may be damaged by landing too fast.

Assisted Braking from Obstacle Sensing

Powered by the Vision System, the aircraft is able to actively brake when obstacles are detected in front. Obstacle Sensing works best when lighting is adequate and the obstacle is clearly textured. The aircraft must fly at no more than 38 mph (62 kph) with a maximum pitch angle of 25° to allow for sufficient braking distance.

**Using Infrared Sensing System**

The Infrared Sensing System can only be used to avoid large, diffuse, and reflective obstacles (reflectivity >10%). Please be mindful of blind spots (Grey) of the Infrared Sensing System. The downward Infrared Sensing System is used for positioning and assisting height setting during takeoff and landing, while the Infrared Sensing System on the other five sides are for obstacle sensing.

Vision System and Infrared Sensing System Warning

The measurement accuracy of the Vision System is easily affected by the light intensity and the surface texture of the object. The Infrared Sensing System can only be used to avoid large, diffuse, and reflective obstacles (reflectivity >10%).

The Vision System may NOT function properly when in any of the following situations:

- a. Flying over monochrome surfaces (e.g., pure black, pure white, pure red, pure green) or without clear texture.
- b. Flying over highly reflective surfaces.
- c. Flying over water or transparent surfaces.
- d. Flying over moving surfaces or objects (e.g. above moving people, waving reeds, shrubs and grass).

- e. Flying in an area where the lighting changes frequently or drastically, or in an area where there is excessive exposure to direct, strong lighting.
- f. Flying over extremely dark (< 15 lux) or bright (> 10,000 lux) surfaces.
- g. Flying at high speeds (over 14 m/s at 2 meters or over 5 m/s at 1 meter).
- h. Tiny obstacles.
- i. The lens is dirty (e.g., due to raindrops, fingerprints, etc.).
- j. Scenes with low visibility (e.g., heavy fog).

The Infrared Sensing System may NOT provide an accurate distance when in any of the following situations:


- a. Flying over surfaces that can absorb sound waves (e.g., pure black matt objects).
- b. There is a large area of strong reflectors beyond 15 m (for example, multiple traffic signs are placed side by side).
- c. Tiny obstacles.
- d. Mirror or transparent objects (such as mirrors, water, and glass).



- Keep sensors clean at all times. Dirt or other debris may adversely affect their effectiveness.
- The Vision System may not function properly when the aircraft is flying over water.
- The Vision System may not be able to recognize pattern on the ground in low light conditions (less than 100 lux).

Return-to-Home (RTH)

The Return-to-Home (RTH) function brings the aircraft back to the last recorded Home Point when there is a strong GNSS signal. There are three types of RTH: Smart RTH, Low Battery RTH, and Failsafe RTH. This section describes these three RTH types in detail.

	GNSS	Description
Home Point	 10	The first location where the aircraft receives a strong to moderately strong GNSS signal (indicated by a white icon) will be recorded as the default Home Point. The Home Point can be updated before takeoff as long as the aircraft receives another strong to moderately strong GNSS signal. If the signal is weak, the Home Point will not be updated. DJI Pilot 2 will give a voice prompt when the Home Point is set.



- The aircraft can sense and avoid obstacles when the Forward Vision System is enabled and lighting conditions are sufficient. To ensure the aircraft returns home while facing forward, it cannot rotate or fly left and right during RTH.

Smart RTH

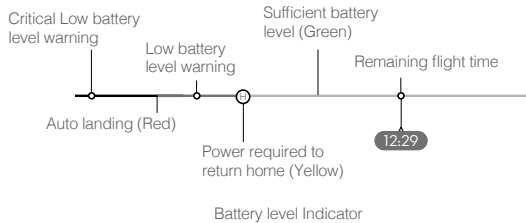
Use the RTH button on the remote controller and follow the on-screen instructions when GNSS is available to initiate Smart RTH. The aircraft will then automatically return to the last recorded Home Point. Use the remote controller to control the aircraft's speed (pitch stick) or altitude (throttle stick) to avoid a collision during the Smart RTH process. Press and hold the Smart RTH button once to start the process, and press the Smart RTH button again to terminate the procedure and regain full control of the aircraft.

Low Battery RTH

The low battery level failsafe is triggered when the DJI Intelligent Flight Battery is depleted to a point that may affect the safe return of the aircraft. Users are advised to return home or land the aircraft immediately when prompted. The DJI Pilot 2 app will display a notice when a low battery warning is triggered. The aircraft will automatically return to the Home Point if no action is taken after a ten-second countdown. The user can cancel the RTH procedure by pressing the RTH button on the remote controller. The thresholds for these warnings are automatically determined based on the aircraft's current altitude and distance from the Home Point. If the RTH procedure is cancelled following a low battery level warning, the Intelligent Flight Battery may not have enough charge for the aircraft to land safely, which may lead to the aircraft crashing or being lost. Low Battery RTH can be turned off in DJI Pilot 2 app.

The aircraft will land automatically if the current battery level can only support the aircraft long enough to descend from its current altitude. The user cannot cancel the auto landing but can use the remote controller to alter the aircraft's orientation during the landing process.

The Battery Level Indicator is displayed in the DJI Pilot 2 app, and is described below:



Battery Level Warning	Remark	Aircraft Status Indicator	DJI Pilot 2 App	Flight Instructions
Low battery level warning	Battery power is low. Land the aircraft.	Aircraft status indicator blinks RED slowly.	Tap "Go-home" to have the aircraft return to the Home Point and land automatically, or "Cancel" to resume normal flight. If no action is taken, the aircraft will automatically go home after 10 seconds. Remote controller will sound an alarm.	If RTH is selected, the aircraft will fly back to the Home Point automatically and Landing Protection* will be triggered. Users can regain control during RTH. NOTE: The low battery level warning will not appear again after users regain control.

Critical Low battery level warning	The aircraft must land immediately.	Aircraft status indicator blinks RED quickly.	The DJI Pilot 2 app display will flash red and the aircraft will start to descend. The remote controller will sound an alarm.	Allow the aircraft to descend automatically and trigger Landing Protection*.
Estimated remaining flight time	Estimated remaining time is based on current battery level.	N/A	N/A	N/A




- When the Critical Low battery level warning is triggered and the aircraft begins to land automatically, push the left stick upward to make the aircraft hover at its current altitude, giving you an opportunity to navigate to a more appropriate landing location.
- The colored zones and markers on the battery level indicator bar reflect the estimated remaining flight time. They are automatically adjusted according to the aircraft's current location and status.

Failsafe RTH

Failsafe RTH (enabled in the app) is automatically activated if the remote controller and the aircraft are disconnected. Failsafe RTH includes two stages of return to home: historical flight path and Smart RTH. When Failsafe RTH is enabled, the aircraft will return to home based on its historical flight path. Within a maximum distance of 50 meters, the aircraft will try to reconnect to the remote controller. If the aircraft cannot reconnect to the remote controller within 50 meters or the aircraft detects obstacles in front of it (enroute to its return to home flight path), the aircraft will exit the stage of return to home (based on its historical path), and enter the Smart RTH stage. When the remote controller is connected to the aircraft during return to home, users can use the remote controller to control the aircraft's flight speed and altitude, and cancel Return to Home by pressing the RTH button on the remote controller.

RTH Procedure

1. Home Point is recorded automatically.
2. RTH procedure is triggered, i.e., Smart RTH, Low-Battery RTH, and Failsafe RTH.
3. Home Point is confirmed and the aircraft adjusts its orientation.
4.
 - a. Vision Systems enabled: When less than 50 m (164 ft) from the Home Point, the aircraft will fly to the Home Point at the current altitude. If more than 50 m (164 ft) from the Home Point and below the pre-set RTH altitude, the aircraft will ascend to the pre-set RTH altitude before flying to the Home Point. The aircraft will fly directly to the Home Point if it is above the pre-set RTH altitude.
 - b. Vision Systems disabled: If below the pre-set RTH altitude, the aircraft will ascend to the pre-set RTH altitude before flying to the Home Point. The aircraft will fly directly to the Home Point if it is above the pre-set RTH altitude.
5. The aircraft will return to the Home Point, and Landing Protection* will be triggered to allow the aircraft to land or hover in place. Refer to Landing Protection Function for details.

 The following updates are in effect when using an aircraft firmware version of v03.00.01.01 or later:

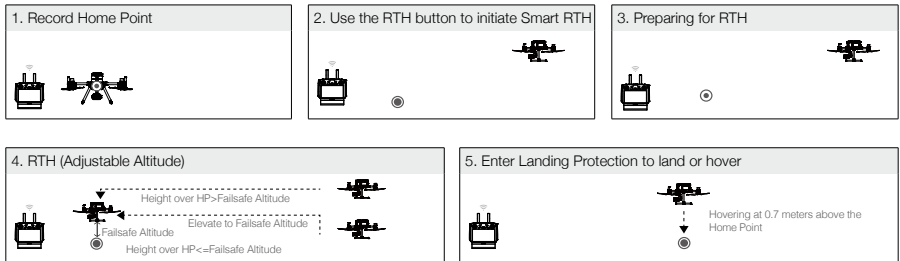
- Added tip in DJI Pilot 2 to remind users to exit Auto-RTH and manually control aircraft to return to home point when encountering obstacles during RTH.
- Added ability to exit Auto-RTH by moving remote controller control stick in opposite direction of flight.

When using an aircraft firmware version of v01.00.0214 or earlier, Step 4 of the RTH procedure is as below:

- The aircraft will ascend to the pre-set RTH altitude and fly to the Home Point when the aircraft is more than 20 m (65 ft) from the Home Point or higher than 30 m (98 ft). Make sure RTH Obstacle Detection is enabled in DJI Pilot 2.
- When the above conditions are not met, the aircraft will land directly after RTH is triggered.


* Make sure that the Downward Vision Positioning is enabled in the DJI Pilot 2 app.

Use the Smart RTH for example:



Failsafe Safety Notices



The aircraft cannot avoid obstacles during Failsafe RTH when the Forward Vision System is disabled. Therefore, it is important to set a suitable Failsafe altitude before each flight. Launch the DJI Pilot 2 app, enter Camera and tap  to set the Failsafe Altitude.



If RTH is triggered when the aircraft is below 20 m (65 ft), the aircraft will automatically ascend to 20 m (65 ft) from the current altitude. The vertical speed can be adjusted using the throttle stick during ascent with a maximum descent speed of 1 m/s and ascent speed of 3 m/s.



If RTH is triggered when the aircraft is less than 50 m (164 ft) from the Home Point, the aircraft will fly to the Home Point at the current altitude. The aircraft will ascend to the pre-set RTH altitude if the Vision Systems are disabled.

When using an aircraft firmware version of v01.00.0214 or earlier: If RTH is triggered when the aircraft is within 20 m (65 ft) of the Home Point and below 30 m, the aircraft automatically descends and lands. If above 20 m (65 ft), the aircraft immediately returns to the Home Point.

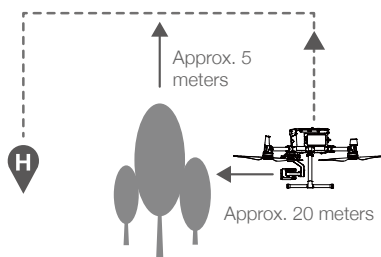


The RTH feature will be disabled when the GNSS signal icon is red or yellow, or the GNSS is unavailable.

Obstacle Avoidance During RTH

The aircraft can sense and actively attempt to avoid obstacles during RTH, provided that lighting conditions are adequate for the Forward Vision System. Upon detecting an obstacle, the aircraft will act as follows:

1. The aircraft decelerates when an obstacle is sensed at approx. 65 feet (20 meters) ahead.
2. The aircraft stops and hovers then starts ascending vertically to avoid the obstacle. Eventually, the aircraft will stop climbing when it is at least approx. 16 feet (5 meters) above the detected obstacle.
3. RTH procedure resumes. The aircraft will continue flying to the Home Point at the current altitude.



- Obstacle Sensing is disabled during RTH descent. Proceed with care.
- To ensure the aircraft returns home forwards, it cannot rotate during RTH while the Vision System is enabled.
- The aircraft cannot avoid obstacles beside or behind it.

Landing Protection Function

Landing Protection will activate during auto-landing.

1. Landing Protection determines whether the ground is suitable for landing. If so, the aircraft will land smoothly.
2. If Landing Protection determines that the ground is not suitable for landing, the aircraft will hover and wait for pilot confirmation. The aircraft will hover if it detects the ground is not appropriate for landing even with a critically low battery warning. Only when the battery level decreases to 0% will the aircraft land. Users retain control of aircraft flight orientation.
3. If Landing Protection is inactive, the DJI Pilot 2 app will display a landing prompt when the aircraft descends below 0.7 meters. Tap to confirm or pull down the control stick for 2 seconds to land when the environment is appropriate for landing.



Landing Protection will not be active in the following circumstances:

- When the user is controlling the pitch/roll/throttle sticks (Landing Protection will re-activate when the control sticks are not in use)
- When the positioning system is not fully functional (e.g. drift position error)
- When the downward vision system needs re-calibration
- When light conditions are not sufficient for the downward vision system
- If an obstacle is within one meter of the aircraft, the aircraft will descend to 0.7 m above the ground and hover. The aircraft will land after user confirmation.

Center of Gravity Calibration

The center of gravity will shift when the aircraft's payloads change. To ensure stable flight, it is required to recalibrate the aircraft's center of gravity when a new payload is installed.



- Calibrate in a windless environment. Make sure that the aircraft is hovering and there is a strong GNSS signal during calibration.
- Maintain visual line of sight of the aircraft and pay attention to flight safety.

Calibration instructions: Go to Flight Controller Settings in the app, and tap Calibrate in the Center of Gravity Auto Calibration section. The Aircraft Status Indicators will glow solid purple during calibration. There will be a prompt in the app after calibration is completed.

Flight Recorder

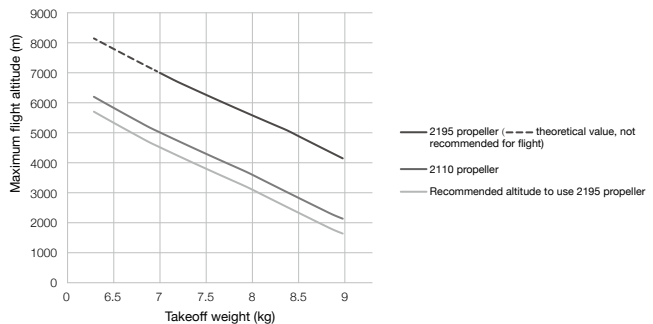
Flight data is automatically recorded to the internal storage of the aircraft. You can connect the aircraft to a computer via the USB port and export this data via DJI Assistant 2 or DJI Pilot 2 app.

Propellers

Propellers Usage Guide

M300 RTK uses the 2110 propeller. The 2195 propeller is purpose-built to improve the aircraft's maximum flight altitude while maintaining minimal flight noise.

Flight altitude limit is the maximum height that the aircraft can fly normally where the wind speed should not exceed 12 m/s. Note that the aircraft's braking and acceleration capabilities are reduced near to the flight altitude limit. Please read the diagram below to learn more about using the appropriate propellers by referring to the aircraft's weight and the expected maximum flight altitude.



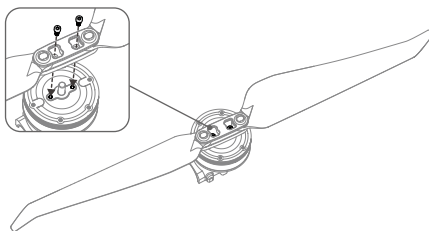


- Using the 2195 propellers for extended periods will reduce the motor life.
- Only use DJI approved propellers. DO NOT mix propeller types.
- Ensure to check that the propellers and motors are installed firmly and correctly before each flight.
- Ensure that all propellers are in good condition before each flight. DO NOT use aged, chipped, or broken propellers.
- To avoid injury, stand clear of and DO NOT touch propellers or motors when they are spinning.

Replacing the Propellers

In order to replace the propellers, use the H2.5 hex key with ball-end.

It is recommended to replace the propellers only in an emergency situation during operations. After the emergency flight is over, please contact DJI technical support or an authorized agent for overhaul as soon as possible.



Propeller blades are sharp; please handle with care.

Intelligent Battery Station

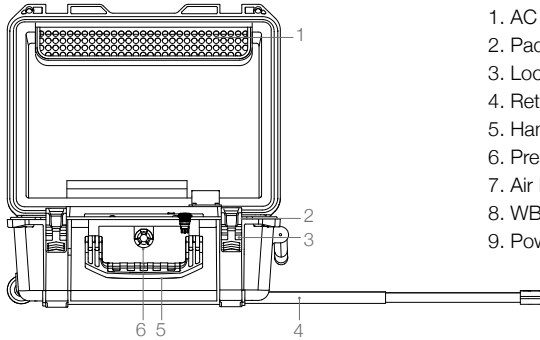
The Battery Station features a total of 12 battery ports and can charge up to eight TB60 Intelligent Flight Batteries, and four WB37 Intelligent Batteries. It also comes built in with integrated wheels that make the Battery Station easy to maneuver from one place to another.

Warnings

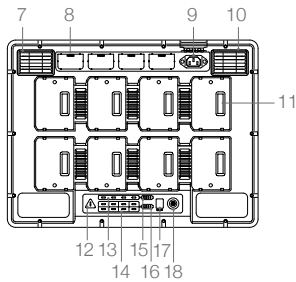
1. Keep any liquids (oil, water etc.) away from the inside of the Battery Station.
2. DO NOT close the Battery Station during charging or discharging, and ensure it is well ventilated and able to dissipate heat.
3. The Battery Station is only compatible with the TB60 Intelligent Flight Battery, and WB37 Intelligent Battery. DO NOT use the Battery Station with any other battery models.
4. Place the Battery Station on a flat and stable surface when in use. Ensure the device is properly insulated to prevent fire hazards.
5. DO NOT touch the metal terminals on the Battery Station. If there is any noticeable debris buildup, wipe the metal terminals with a clean, dry cloth.
6. Take care to avoid injuring fingers when opening or closing the Battery Station, or using the retractable trolley handle.

7. Place the batteries in the specified directions.
8. Air pressure in the Battery Station may change during air transportation or after extreme barometric pressure changes. The pressure valve knob on the side of the Battery Station will balance the air pressure automatically.
9. Please use the dust blower to clear the sand and dust in the Battery Station.

Overview



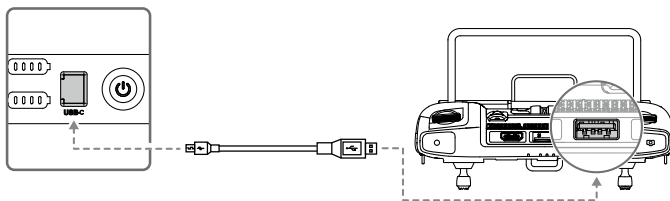
1. AC Power Cable Slot
2. Padlock Holes
3. Locks
4. Retractable Trolley Handle
5. Handles
6. Pressure Valve
7. Air Intake
8. WB37 Battery Port
9. Power Port



10. Air Vent
11. TB60 Battery Port
12. Warning LED
13. WB37 Battery Status LEDs
14. TB60 Battery Status LEDs
15. WB37 Charging Status LEDs
16. TB60 Charging Status LEDs
17. Firmware Update Port (USB-C)
18. Power Button / Power Indicator

Activation

Use DJI Pilot 2 app and follow the instructions below to activate the Battery Station.

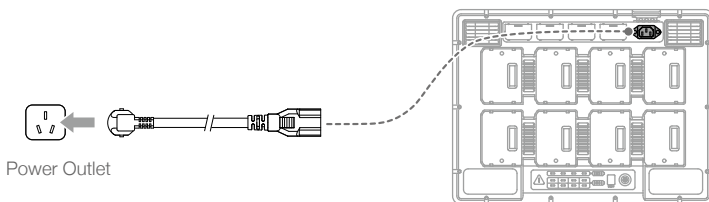


1. Connect the Battery Station to a power outlet and press the Power Button to turn on the Battery Station. Connect the Battery Station to the remote controller using a USB-C cable.
2. Turn on the remote controller and run the DJI Pilot 2 app.
3. Follow the app instructions to activate the Battery Station.

Using the Battery Station

Charging

1. Connect the Battery Station to a power outlet (100-120 Vac, 50-60 Hz / 220-240 Vac, 50-60 Hz) via the AC power cable.



2. Press the Power Button once to turn on the Battery Station.
3. Insert the batteries into the Battery Ports to start charging.
 - a. With a 100-120 V input, it takes about 70 minutes to fully charge the TB60 battery, and 40 minutes to charge from 20% to 90% battery level.
 - b. With a 220-240 V input, it takes about 60 minutes to fully charge the TB60 battery, and 30 minutes to charge from 20% to 90% battery level.

- ⚠**
- For TB60 Intelligent Flight Batteries, the Battery Station will charge the two batteries with the most amount of remaining battery power first. For example, if there are four TB60 batteries plugged into the Battery Station (the first two batteries have 10% remaining battery power and the second two batteries have 30% remaining battery power), the Battery Station will automatically charge the batteries with the highest remaining battery power first.
 - For WB37 Batteries, the Battery Station will charge the battery with the highest remaining battery power first.
 - When the temperature of the battery is too low, it will warm up automatically before charging.

- ☀️: • Refer to the “Battery Station LEDs Description” for more information about the various LEDs.
- DJI does not take any responsibility for damage caused by third-party chargers.
- To ensure safety, discharge the battery before transporting the aircraft. Fly the aircraft outdoors until its power level ranges within 30% to 20%.
- The battery has a capacity of 274 Wh. Please follow the regulations and guidelines for traveling with these batteries via air.

Warming up and Charging in Low Temperature

When the temperature falls between -20°C to 5°C, the Battery Station will warm up the battery before charging it.

- ⚠️ DO NOT charge the battery frequently in low-temperature environments, as the charging time becomes longer, and the battery life may be shortened.

Battery Station LEDs Description

LED Indicators	Descriptions
Power Indicator	
Solid green	Powered on.
Battery Status LEDs 🔋	
Solid green	Charging completed.
Blinks green	Charging.
Solid yellow	Waiting for charging.
Blinks yellow	Warming up before charging.
Blinks yellow twice	Cooling down before charging.
Blinks yellow three times	Cannot charge the battery due to very low temperature. Please charge the battery in the place of higher temperature.
Solid red	Battery error. *
Blinks red	Battery communication warning, please try other battery ports.
Blinks red twice	Battery short circuit, please try other battery ports.
Warning LED ⚠️	
Blinks yellow	Battery Station is updating.
Solid yellow	The input voltage is too low. Please use the power supply that meets the requirements.
Blinks red	Power module communication error or other. *
Blinks red twice	Motherboard error. *
Blinks red three times	Fan error. *
Blinks red four times	Battery Station self-test error. *

For errors marked with *, please contact your local dealer or a representative from the DJI after-sales team.

Buzzer Beeping Description

Buzzer beeping is used to indicate errors as outlined below.

1. When the Battery Status LED is red, the buzzer is beeping to indicate a battery error.
2. When the Warning LED is red, the buzzer is beeping to indicate a Battery Station hardware error.

Specifications

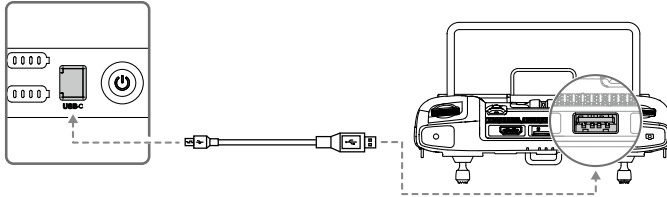
Model	BS60
Dimensions	501 × 403 × 252 mm
Net Weight	8.37 kg
Max Internal Load	12 kg
Compatible Stored Items	TB60 Intelligent Flight Battery × 8 WB37 Intelligent Battery × 4 AC Power Cable
Input	100-120 Vac, 50-60 Hz / 220-240 Vac, 50-60 Hz
Output	TB60 Intelligent Flight Battery Port: 52.8 V, 7 A×2 @100-120 V, 8.9 A×2 @220-240 V WB37 Intelligent Battery Port: 8.7 V, 6 A
Output Power	100-120 V, 750.0 W 220-240 V, 992.0 W
Power without Load	< 8 W
Warming up the battery	52.8 V, 2 A
Operating Temperature	-20°C to 40°C (-4° F to 104° F)
Charging Time*	100-120 V, 70 min 220-240 V, 60 min
Protection Features	Anti-backflow Protection Short Circuit Protection Over Voltage Protection Over Current Protection Temperature Protection

* Charging times are tested in a lab environment at room temperature. The values provided should be used for reference only.

Battery Station Firmware Update

Use the DJI Pilot 2 App to update firmware of the Battery Station as well as up to 8 TB60 flight batteries at the same time.

1. Insert the batteries into the Battery Ports and turn on the Battery Station.
2. Connect the Battery Station to the remote controller using a USB-C cable.



3. Turn on the remote controller and make sure it is connected to the Internet.
4. Run the DJI Pilot 2 app. If it shows that there is a firmware update for the Battery Station, then tap into the HMS page.
5. Tap to enter the firmware update page.
6. Tap the update all button and wait for about 10 minutes to complete the firmware upgrade.



- During firmware update, do not insert or remove the battery to avoid battery update failure.
- During firmware update, do not unplug the USB-C cable to avoid battery update failure.
- During firmware update, do not use the battery station to charge the battery.

Intelligent Flight Battery

Battery Introduction

The TB60 Intelligent Flight Battery has high-energy cells, and a smart charge/discharge functionality. It should only be charged using appropriate DJI approved chargers. The Intelligent Flight Battery must be fully charged before using it for the first time. The battery firmware is included in the aircraft firmware. Make sure that all the batteries' firmware is up-to-date.

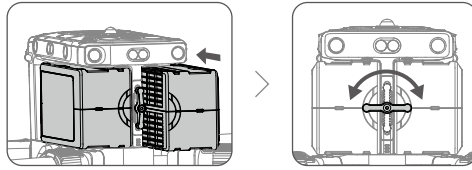
DJI Intelligent Flight Battery Functions

1. Battery Level Display: The LED indicators display the current battery level.
2. Charge or discharge the battery to 40% ~ 60% if NOT intended to be used for 10 days or more. This can greatly extend the battery's overall life span. It takes approximately 6 days to discharge the battery to 60%. It is normal that you may feel moderate heat emitting from the battery during the discharge process. You can set the discharging thresholds in the DJI Pilot 2 app.
3. Balanced Charging: Automatically balances the voltage of each battery cell when charging.
4. Overcharge Protection: Charging automatically stops when the battery is fully charged.
5. Temperature Detection: The battery will not be charged to avoid damage when the battery temperature is lower than -20 °C (-4°F) or higher than 45°C (113°F).
6. Over Current Protection: The battery stops charging when a high amperage is detected.
7. Over Discharge Protection: Over-discharging can seriously damage the battery. Current output will be cut off when the battery cell is discharged to 3.2 V when not in flight mode. For extended flight times, over-discharging protection is disabled as batteries discharge during flight. In this instance, a battery voltage below 1.8 V may cause a safety hazard such as a fire when charged. To prevent this, the battery will not be able to charge if the voltage of a single battery cell is below 1.8 V. Avoid using any batteries matching this description and avoid serious over-discharging to prevent permanent battery damage.
8. Short Circuit Protection: Automatically cuts the power supply when a short circuit is detected.
9. Battery Cell Damage Protection: DJI Pilot 2 displays a warning message when a damaged battery cell is detected.
10. Sleep Mode: Sleep mode is entered to save power when the aircraft is not flying.
11. Communication: Information pertaining to the battery's voltage, capacity, current, etc. is transmitted to the aircraft's main controller.
12. Heating: Batteries are able to work even in cold weather, ensuring a safe flight.
13. Waterproof and Dustproof: The aircraft has an IP45 Protection Rating , with the batteries installed.



Refer to the Disclaimer and Intelligent Flight Battery Safety Guidelines before use. Users take full responsibility for all operations and usage.

Installing the Batteries



Pairing Batteries

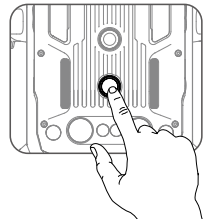
Before first use, it is recommended to mark 2 batteries as a pair and continue using them as a pair (charge and discharge them together) to maximize service life and ensure flight performance. If two batteries with a significant difference in battery life are installed and powered on, a prompt will pop up in the app to recommend that you replace the batteries to a pair with similar performance.

Turning On / Off

The battery can only be turned on and off after it is installed on the aircraft.

Turning On: Press the Power button once, then press again and hold for 3 seconds to turn on. The Power LED will turn green and the Battery Level Indicators will display the current battery level.

Turning Off: Press the Power button once, then press again and hold for 3 seconds to turn off. The Power LED and the Battery Level Indicators will be off.



Replacing the Batteries When Turned On

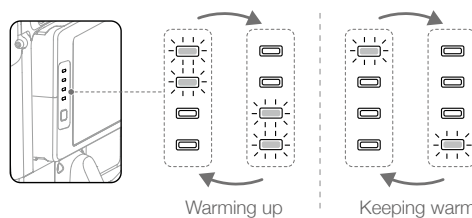
If the battery needs to be replaced immediately after landing, you can replace it without turning off the aircraft. Replace with one fully charged battery, and wait for 3 seconds, and then replace another battery.

Heating the Battery

Manual Heating: If the Intelligent Flight Battery is not installed into the aircraft, press and hold the battery level button on the battery for four seconds to initiate the self-heating, keeping the batteries at a temperature between 61° F (16° C) and 68° F (20° C), which is the ideal range of operating temperature, for approximately 30 minutes. Press and hold the battery level button for two seconds to stop heating.

Auto Heating: Insert the batteries into the aircraft and power it on. If a low battery temperature is detected, the battery will automatically heat up to maintain a temperature between 61° F (16° C) and 68° F (20° C).

The battery level LEDs will blink as follows when the battery is warming up and keeping warm.

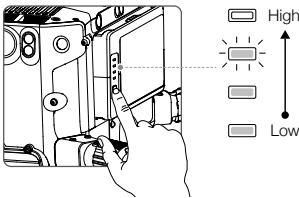


Low Temperature Notice:

- 1. The performance of the intelligent Flight Battery is significantly reduced when flying in low temperature environments (temperatures below 5°C). Ensure that the battery is fully charged and the cell voltage is at 4.35 V before each flight.
- 2. End the flight as soon as DJI Pilot 2 displays the “Low Battery Level Warning” in low temperature environments. You will still be able to control the aircraft’s movement when this warning is triggered.
- 3. In extremely cold weather, the battery temperature may not be high enough even after warming up. In these cases, insulate the battery as required.
- 4. To ensure optimal performance of the battery, keep the battery temperature above 16° C.
- 5. In low temperature environments, it will take a longer time for the batteries to warm up. It is recommended to keep the battery warm before use to reduce the warm-up time.

Checking Battery Levels

When the battery is turned off, press the Battery Level button once and the Battery Level Indicators will display the current battery level.



Battery Level Indicators display how much power remains. When the battery is turned off, press the Power button once and the Battery Level Indicators will display the current battery level. See below for details.

The Battery Level Indicators will also show the current battery level during discharging. The indicators are defined below.

: LED is on. : LED is off. : LED is flashing.

Battery Level				
LED1	LED2	LED3	LED4	Battery Level
				88%~100%
				75%~88%
				63%~75%
				50%~63%
				38%~50%
				25%~38%
				13%~25%
				0%~13%

D-RTK

Introduction

The aircraft has a built-in RTK, which can withstand magnetic interference from metal structures, ensuring stable flight. More accurate positioning data can be achieved when using a DJI D-RTK 2 High Precision GNSS Mobile Station.

Enable / Disable RTK

Ensure that the "Aircraft RTK" is enabled and RTK service type is correctly set (D-RTK 2 Mobile Station) before each use. Go to Camera View in the app > ... > RTK to view and set. Make sure to disable RTK function if not in use. Otherwise, the aircraft will not be able to take off when there is no differential data.



The following updates are in effect when using an aircraft firmware version of v03.00.01.01 or later:

1. RTK Positioning can be enabled and disabled during flight. Select the RTK Service Type first.
2. Maintain Positioning Accuracy mode is available.

Using the DJI D-RTK 2 Mobile Station

1. Refer to the D-RTK 2 Mobile Station User Guide to complete linking between the aircraft and the mobile station, including setup.
2. In the RTK Settings page in the app, select the RTK service type as "D-RTK 2", connect the mobile station by following the instructions, and wait for the system to start searching for satellites. In the RTK Settings page, the status of the aircraft's positioning in the status table will show "FIX" to indicate that the aircraft has obtained and used the differential data from the mobile station.
3. D-RTK 2 Mobile Station range: 12 km (NCC / FCC), 6 km (SRRC / CE / MIC).

Using the Custom Network RTK

You can mount a Dongle to the remote controller or use the app to connect to a Wi-Fi, and enable Internet network to use the Custom Network RTK. Custom Network RTK can be used to replace the RTK base station. Connect the Custom Network RTK account to the designated Ntrip server to send and receive differential data. Keep the remote controller turned on and the Internet network connected.

1. Make sure the remote controller and the aircraft are linked, and the app is connected to the Internet network.
2. Go to Camera View in the app > ... > RTK, select the RTK service type as "Custom Network RTK", fill in the Ntrip's host, port, account, password, mount point, and then tap to set by following the instructions.
3. Wait to connect to the Ntrip server. In the RTK Settings page, the status of the aircraft's positioning in the status table will show "FIX" to indicate that the aircraft has obtained and used the differential data from the mobile station.

DJI AirSense

Airplanes with an ADS-B transceiver will actively broadcast flight information including locations, flight paths, speeds, and altitudes. DJI aircraft incorporated with the DJI AirSense technology are capable of receiving flight information broadcast from ADS-B transceivers that comply with 1090ES or UAT standards within a radius range of 10 kilometers. Based on the received flight information, DJI AirSense can analyze and obtain the location, altitude, orientation, and velocity of the surrounding manned airplanes, and compare such figures with the current position, altitude, orientation, and velocity of the DJI aircraft to calculate in real time the potential risk of collision with the surrounding manned airplanes. DJI AirSense will then display a warning message in DJI Pilot 2 according to the risk level.

DJI AirSense only issues warning messages on approaches by specific manned airplanes under special circumstances. Always fly the aircraft within your visual line of sight and be cautious at all times to ensure flight safety. Please be aware that DJI AirSense has the following limitations:

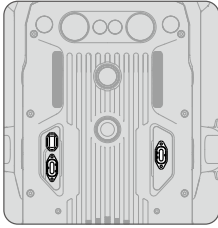
1. DJI AirSense can only receive messages sent by airplanes installed with an ADS-B Out device that is in compliance with 1090ES (RTCA DO-260) or UAT (RTCA DO-282) standards. DJI devices cannot receive broadcast messages from or display warnings on airplanes not equipped with properly functioning ADS-B Out devices.
2. If there is an obstacle between a manned aircraft and a DJI aircraft, DJI AirSense will not be able to receive ADS-B messages from the aircraft or send warnings to the user. Keenly observe your surroundings and fly with caution.
3. Warning prompts may be sent with delay if DJI AirSense experiences any interference from the surrounding environment. Keenly observe your surroundings and fly with caution.
4. Warning prompts may not be received if the DJI aircraft is unable to obtain information on its own location.
5. DJI AirSense cannot receive ADS-B messages from manned airplanes or send warnings to the user when it is disabled or misconfigured.

When a risk is detected by the DJI AirSense system, the AR projection display will appear on the current view in DJI Pilot 2, intuitively showing the distance between the DJI aircraft and the airplane, and issuing a warning alert. Users should follow the instructions in DJI Pilot 2 upon receiving the alert.

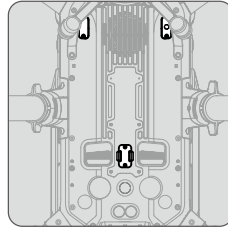
- a. **Notice:** A blue airplane icon will appear on the map.
- b. **Caution:** The app will display the message: "Manned aircraft detected nearby. Fly with caution." A small orange square icon with the distance information will appear on the camera view, and an orange airplane icon will appear on the map view.
- c. **Warning:** The app will display the message: "Collision risk. Descend or ascend immediately." If the user is not operating, the app will display: "Collision risk. Fly with caution." A small red square icon with the distance information will appear on the camera view, and a red airplane icon will appear on the map view. The remote controller will vibrate to alert.

Expansion Ports

The M300 RTK offers several SDK expansion ports on the top and bottom of the aircraft. These expansion ports enable developers to explore more possibilities and functions with the aircraft. For more detailed information, visit <https://developer.dji.com/>.



Top view



Bottom view



M300 RTK supports three PSDK ports and one OSDK port. The external power supply capacity of the PSDK port is 17.0 V / 13.6 V 4 A. The external power supply capacity of OSDK port is 24 V 4 A. These four SDK ports incorporate a power limit of 180 W.

IP45 Protection Rating

Under stable laboratory conditions, the M300 RTK achieves an IP45 protection rating by IEC60529 standards when equipped with TB60 Intelligent Flight Batteries. However, this protection rating is not permanent and may reduce over time after long-term use.

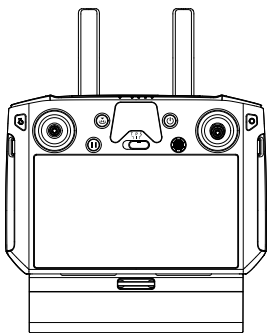
- DO NOT fly when the amount of rainfall exceeds 100 mm / 24 h.
- DO NOT fold the frame arms in the rain.
- Make sure the battery ports, battery compartment ports, battery surfaces, and battery compartment surfaces are dry before inserting the batteries.
- Make sure the battery ports and battery surfaces are free from any liquid before charging the batteries.
- Before packing the aircraft into the carrying case, ensure that it is free from any liquid by wiping it carefully.
- Product warranty does not cover water damage.

The aircraft does not achieve IP45 protection rating in the following circumstances:

- Folded frame arms.
- You use batteries other than the M300 RTK's TB60 Intelligent Flight Batteries.
- The cover for the ports are not attached correctly.
- The waterproofing top shell plug is not firmly attached to the top shell.
- The aircraft is broken due to various reasons, such as broken aircraft shell, failure of the waterproof adhesive, etc.

Remote Controller

This section describes the features of the remote controller that includes aircraft and remote controller operations.



Remote Controller

Profile

The DJI Smart Controller Enterprise (hereinafter referred to as “Smart Controller”) features OcuSync Enterprise technology, capable of controlling aircraft that supports this technology, and providing a live HD view from the aircraft's camera. It can transmit image data at distances of up to 9.32 mi (15 km) and comes with a number of aircraft and gimbal controls as well as some customizable buttons. *

The built-in 5.5-inch high brightness 1000 cd/m² screen has a resolution of 1920×1080 pixels, featuring an Android system with multiple functions such as Bluetooth and GNSS. In addition to supporting Wi-Fi connectivity, it is also compatible with other mobile devices for more flexible usage. The Smart Controller has a maximum working time of 2.5 hours with the built-in battery. When using the WB37 Intelligent Battery, the maximum working time can be extended to 4.5 hours. **

- * The Smart Controller can reach maximum transmission distance (FCC) in an unobstructed area with no electromagnetic interference at an altitude of about 400 feet (120 meters). The actual maximum transmission distance may be less than the distance mentioned above due to interference in the operating environment, and the actual value will fluctuate according to the strength of interference.
- ** Maximum operating time is estimated in a lab environment at room temperature, for reference only. When the Smart Controller is powering other devices, the run time will be reduced.

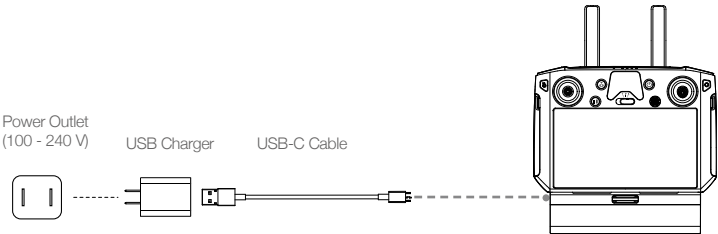
-
- **Compliance Standards:** The remote controller is compliant with local laws and regulations.
 - **Stick Mode:** Controls can be set to Mode 1, Mode 2, or to a custom mode.
-
- **Warning:** Do NOT operate more than three aircrafts within the same area (roughly the size of a soccer field) to prevent transmission interference.
-

Preparing the Remote Controller

Charging

Charging the Remote Controller

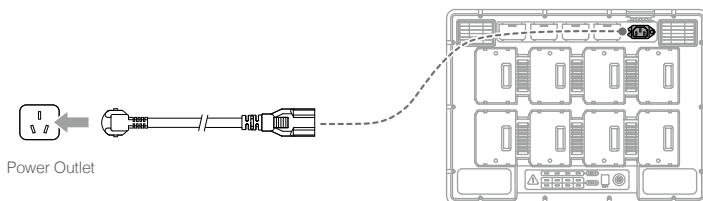
When turned off (using the standard USB charger at room temperature), it takes approximately 2 hours and 15 minutes to fully charge the Smart Controller.



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- **Warning:** Please use the official USB Charger to charge the Smart Controller. When a standard USB Charger is not available, it is recommended to use an FCC / CE certified USB power adapter rated 12 V / 2 A.
 - Please recharge the battery at least every three months to prevent over discharging - the battery will deplete when stored for an extended period.
-

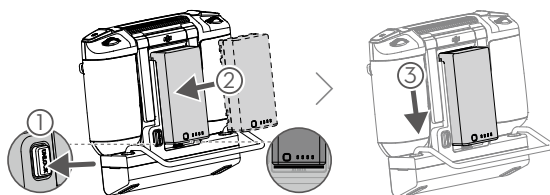
External Battery


1. Connect the Battery Station to a power outlet (100-120 Vac, 50-60 Hz / 220-240 Vac, 50-60 Hz).
2. Press the Power Button once to turn on the Battery Station.
3. Insert the batteries into the Battery Ports to start charging. The Battery Station will charge the battery with the highest remaining battery power first.




Mounting the WB37 Intelligent Battery

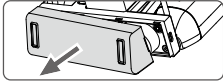
- ① Press and hold the battery release button.
- ② Insert the Intelligent Battery into the battery compartment. Make sure the bottom of the battery is aligned to the marking line in the compartment.
- ③ Push the battery to the bottom.



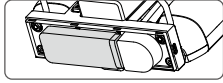
 To remove the Intelligent Battery, press and hold the battery release button, then push the battery upward.

Mounting the 4G Dongle and SIM Card

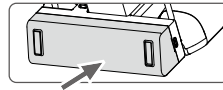
-  Only use a DJI-approved dongle.
- The dongle and SIM card enable the Smart Controller to access 4G network. Make sure to deploy these correctly, otherwise, network access will not be available.
- The dongle and SIM card are excluded.



Remove the dongle compartment cover.



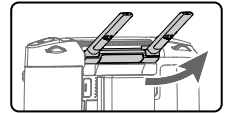
Insert the dongle into the USB port with the SIM card inserted into the dongle.



Reattach the cover firmly.

Adjusting the Antennas

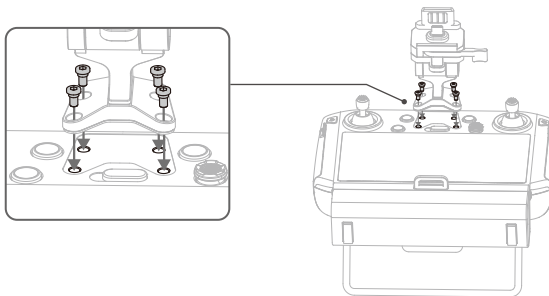
Lift the antennas and adjust them. The strength of the Smart Controller signal is affected by the position of the antennas. When the angle between the antennas and the back of the Smart Controller is 80° or 180° , the connection between the Smart Controller and aircraft can reach its optimal performance.



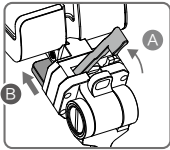
Installing Other Mobile Devices

For other mobile devices (e.g. iPhones, iPads), the Screen Mounting Bracket and an appropriate USB cable are required.

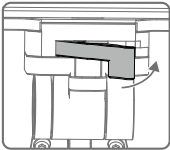
Mounting the Screen Mounting Bracket



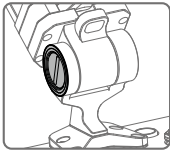
Mounting the Mobile Device



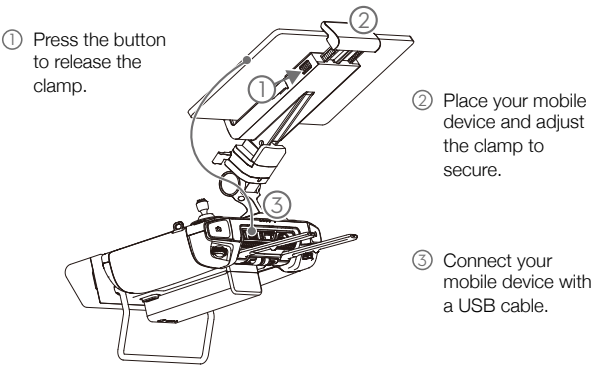
Ensure that Part B is unlocked. Connect Part B to Part A.



Lock the Mounting Bracket.

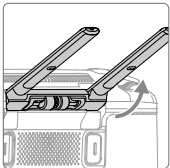


Use a coin or the screwdriver included to adjust the tightness of the tilt axis.

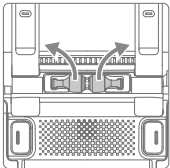


Attaching the Control Sticks

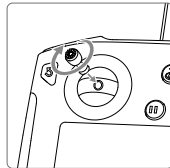
Follow the steps below to attach the control sticks to the remote controller.




Lift the antennas



Remove the control sticks



Rotate to attach the control sticks

 The control sticks can be stored in the sticks storage slot on the back of the remote controller.

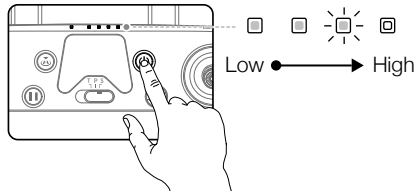
Remote Controller Operations

Checking the Battery Level and Turning On

Checking the Internal Battery Level

Check the internal battery level according to the Battery Level LEDs. Press the power button once to check it while turned off.

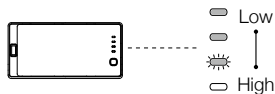
Press the power button once, press again and hold for a few seconds to turn on / off the Smart Controller.



- When using external WB37 Intelligent Battery, it is still necessary to make sure that the internal battery has some power. Otherwise, the Smart Controller cannot be turned on.
- Once the remote control cannot be shut down normally, press and hold the power button for at least 8 seconds, the remote control will be forced to shut down.

Checking the External Battery Level

Method 1: Press the button of the external battery, the battery level is presented in the form of LED lights.



Method 2: Check the percentage of the battery level in the status bar of the main page of the remote controller.



- When using an aircraft firmware version of v02.02.01.02 or later, it is not possible to take off when the battery level of the remote controller is below 10%.

Charging and Discharging Description

Charging

- The remote controller is not activated, the internal battery can only reach up to 60% battery level, and after activation, it can reach 100%.
- The internal battery of the remote controller currently supports charging by the standard charger and external battery (WB37).
- When the external battery is used independently for charging, the internal battery can be charged up to 50%.
- When the working temperature is different, the charging speed varies.

Discharging

- a. When the charger and external battery are connected at the same time, the charger supplies power to the remote controller.
- b. When only the external battery is connected, the external battery will supply power to the remote controller. However, once the external battery is exhausted, the internal battery will supply power.

Linking

When the Smart Controller is purchased together with an aircraft, the remote controller has already been linked to the aircraft, and they can be directly used after activating the remote controller and aircraft. If the Smart Controller and the aircraft were purchased separately, follow the steps below to link the remote controller to the aircraft.


Method 1: Using Smart Controller Buttons

1. Power on the remote controller and the aircraft.
2. Press the customizable button C1, C2, and Record button simultaneously. The status LED blinks blue and the controller beeps twice to indicate the linking has started.
3. Press the linking button on the aircraft. The remote controller's status LED will be solid green if the linking is successful.

Method 2: Using DJI Pilot 2

1. Power on the aircraft and the remote controller.
2. Run DJI Pilot 2 and tap Link Remote Controller to link. The status LED of the remote controller will blink blue, and the remote controller will beep during linking.
3. Press and hold the power button on the aircraft for at least five seconds. When linking is successful, the remote controller status LEDs will turn solid green.

Method 3: Using Quick Settings

1. Power on the remote controller and the aircraft.
2. Swipe down from the top of the screen to open Quick Settings. Tap  to start linking.
3. The status LED blinks blue and the remote controller beeps twice to indicate the linking has started.
4. Press the linking button on the aircraft. The remote controller's status LED will be solid green if the linking is successful.



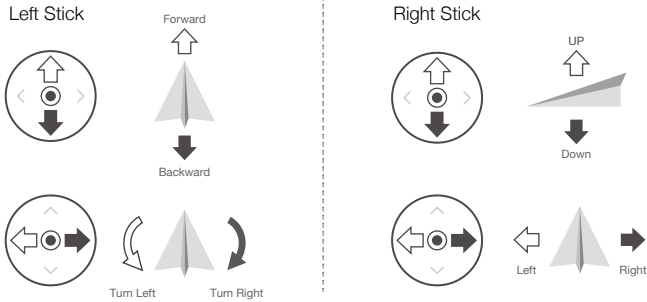
- Make sure the remote controller is within 1.6 ft (0.5 m) of the aircraft during linking.
 - Make sure the remote controller is connected to the internet when logging in using a DJI account.
-

Operating the Aircraft

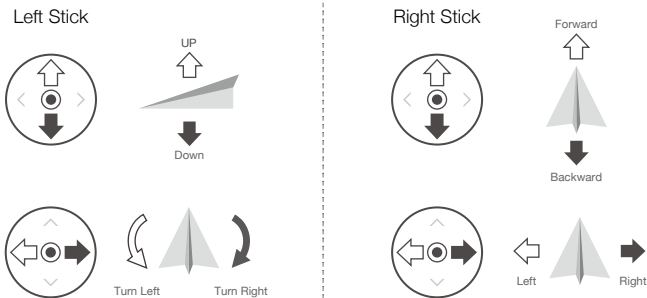
Controlling the Aircraft

This section explains how to control the orientation of the aircraft through the remote controller. Control can be set to Mode 1, Mode 2 or Mode 3.

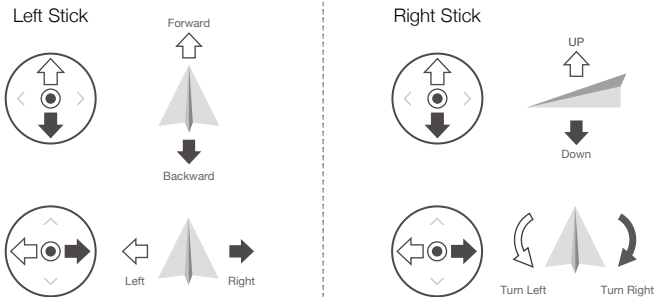
Mode 1



Mode 2



Mode 3


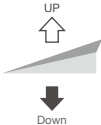

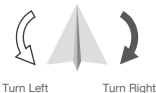






The Stick Mode is set to Mode 2 by default.



Stick Neutral/Mid-Point: Control sticks are centered.

Moving the Control Stick: Control sticks are pushed away from the center.

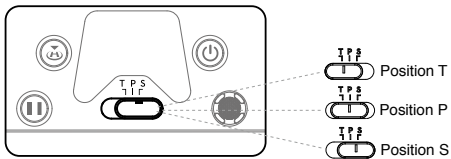
Remote Controller (Mode 2)	Aircraft	Remarks
<p>Left Stick</p> 		<p>Moving the left stick up and down changes the aircraft's elevation.</p> <p>Push the stick up to ascend and down to descend. When both sticks are centered, the aircraft will hover in place.</p> <p>The more the stick is pushed away from the center position, the faster the aircraft will change elevation. Always push the stick gently to prevent sudden and unexpected elevation changes.</p>
		<p>Moving the left stick to the left or right controls the rudder and rotation of the aircraft.</p> <p>Push the sick left to rotate the aircraft counter clockwise, and push the stick right to rotate the aircraft clockwise. If the stick is centered, the aircraft will maintain its current orientation.</p> <p>The more the stick is pushed away from the center position, the faster the aircraft will rotate.</p>
<p>Right Stick</p> 		<p>Moving the right stick up and down changes the aircraft's forward and backward pitch.</p> <p>Push the stick up to fly forward and down to fly backward. The aircraft will hover in place if the stick is centered.</p> <p>Push the stick further away from the center position for a larger pitch angle and faster flight.</p>
		<p>Moving the right stick control left and right changes the aircraft's left and right pitch.</p> <p>Push left to fly left and right to fly right. The aircraft will hover in place if the stick is centered.</p> <p>Push the stick further away from the center position for a larger pitch angle and faster flight.</p>



- Keep the remote controller away from magnetic materials to avoid it being affected by magnetic interference.
- To avoid damage, it is recommended that the control sticks are removed and stored in the storage slot on the remote controller during transportation or storage.

Flight Mode Switch

Toggle the switch to select the flight mode. Choose between T-mode, P-mode, and S-mode.




Position	Flight Mode
T	T-mode (Tripod)
P	P-mode (Positioning)
S	S-mode (Sport)

T-mode (Tripod): The aircraft utilizes GNSS and vision systems to locate itself, stabilize, and navigate between obstacles. In this mode, the maximum flight speed is limited to 15.7 mph (25.2 kph). The responsiveness to stick movements is also reduced for smoother, more controlled movement.

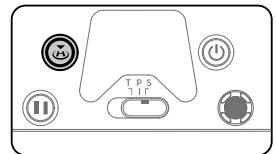
P-mode (Positioning): P-mode works best when the GNSS signal is strong. The aircraft utilizes GNSS, Vision Systems, and an Infrared Sensing System to stabilize, avoid obstacles, and track moving subjects. Advanced features such as TapFly and ActiveTrack are available in this mode.

S-mode (Sport): The handling gain values of the aircraft are adjusted to enhance aircraft maneuverability. Note that Vision Systems are disabled in this mode.

Regardless of the position the switch is in on the remote controller, the aircraft begins in P-mode by default. To switch flight modes, first go to camera view in DJI Pilot 2, tap  and enable "Multiple Flight Modes". After enabling multiple flight modes, toggle the switch to P and then to S or T to switch flight modes.

RTH Button

Press and hold the RTH button to start Return to Home (RTH) and the aircraft will return to the last recorded Home Point. Press the button again to cancel RTH and regain control of the aircraft. Refer to the Return to Home section in the aircraft's user manual for more information about RTH.



In Advanced Dual Operator Mode, the remote controller without flight control cannot use this button to start and stop the RTH function.

Customizable Buttons

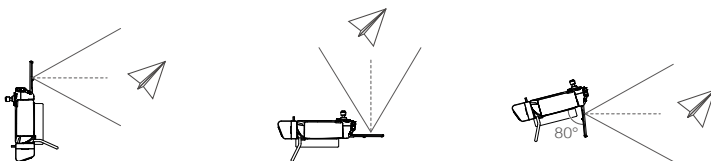
The functions of the C1, C2 and 5D buttons are set in DJI Pilot 2. The default configurations are as below: C1: Re-center the gimbal.

C2: To switch the camera view between different cameras.

Rotating the Gimbal Pan Control Dial by holding the Confirm Button: To control the camera zoom.

Optimal Transmission Zone

Try to keep the aircraft inside the optimal transmission zone. If the signal is weak, adjust the antennas or fly the aircraft closer.



Make sure the antennas are facing towards the aircraft. When the angle between the antennas and the back of the Smart Controller is 80° or 180°, the connection between the remote controller and the aircraft can reach its optimal performance.

Note that the illustrations above do not reflect the actual distances between the user and aircraft and are for reference only.



- Avoid using wireless devices that use the same frequency bands as the Smart Controller.
- In real operation, the DJI Pilot 2 app will issue a prompt to warn that the transmission signal is weak, and please adjust the antennas to ensure that the aircraft is back to the optimal transmission range.

Operating the Camera

Shoot videos and photos with the Focus / Shutter button and Record button on the remote controller.

1. Focus / Shutter Button

Press to take a photo. If Burst mode is selected, multiple photos will be taken if the button is continuously pressed. Set the Shutter mode in DJI Pilot 2 app.

2. Record Button

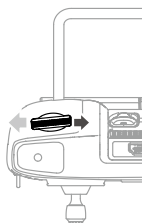
Press once to start recording video and press again to stop.



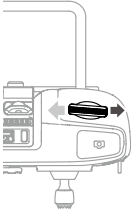
When using an aircraft firmware version is v02.02.01.02 or later, the record and the focus/shutter buttons on the remote controller are disabled during Mapping, Oblique, and Linear Flight missions to avoid accidentally interrupting operations. .

Operating the Gimbal

Use the left dial and right dial to adjust the gimbal pitch and pan.



The left dial controls the gimbal tilt. Turn the dial to the right, and the gimbal will shift to point upwards. Turn the dial to the left, and the gimbal will shift to point downwards. The camera will remain in its current position when the dial is static.



The right dial controls the gimbal pan. Turn the dial to the right, and the gimbal will shift clockwise. Turn the dial to the left, and the gimbal will shift counter clockwise. The camera will remain in its current position when the dial is static.

Advanced Dual Operator Mode

Introduction

The M300 RTK supports Advanced Dual Operator Mode, which allows two remote controllers to connect to the same aircraft. In this mode, two remote controllers are of the same priority and have no pre-assigned roles. During operation, two pilots take control based on their requirements and decide which onboard device such as aircraft, gimbal and camera can be operated currently, making it more flexible to operate.

There are two types of control, including aircraft flight control and gimbal control. For the remote controller with aircraft flight control, it can control the orientation of the aircraft. For the remote controller with gimbal control, it can control the movement of the gimbal and camera operation.

Configuring Advanced Dual Operator Mode

Before use, remote controller A and remote controller B must be linked separately. Follow these steps to complete linking:

Linking the Remote Controller

1. Launch DJI Pilot 2 App.
2. Enter the homepage and tap Remote Controller A/B to activate linking. During linking, the status LED of the remote controller will blink blue and the remote controller will beep. Press and hold the power button on the aircraft for at least five seconds. The aircraft power indicator will blink and beep twice to indicate that linking has started. When linking is successful, the aircraft rear indicators will blink green, the remote controller beep twice, and the remote controller status LED turn solid green.



Link the two remote controllers one by one. Make sure to link the remote controller A with the aircraft first, and then link the remote controller B.

Using Advanced Dual Operator Mode


1. Ensure two remote controllers have been linked and connected to the aircraft. The first connected remote controller is able to control all devices including aircraft, gimbal and camera by default, while the second one has no control of any device.
2. A remote controller that has control of a device can use a control stick, gimbal dial, button combinations, and UI icon to control the device, which is in line with a single remote controller. Otherwise, the device cannot be controlled. A remote controller that has no control of a device can still switch to the Camera View of the device. Only a remote controller that is able to control the orientation of the aircraft can initiate and cancel the Return to Home (RTH) procedure.
3. Users can take control of devices manually. First, switch to the Camera View of the device that you want to control. For aircraft flight control, switch to the Camera View of the FPV camera. Second, tap

- on the control icon on the upper left to take control. The 4-axis aircraft icon represents aircraft flight control, and the camera icon represents gimbal control.
- When a user has aircraft flight control, press and hold the Control Lock icon to lock the aircraft flight control on the Camera page of the FPV camera.
 - If a remote controller can only control the gimbal, it can use control sticks. If a user has both aircraft flight control and gimbal control, he/she can use control sticks to control the orientation of the aircraft, and gimbal dial to control the gimbal.
 - When operating in Dual Remote Control Mode, control switching will be triggered if one remote controller is disconnected to an aircraft. At this point, gimbal control that the disconnected remote controller has will be transferred to the connected controller unconditionally. If the disconnected controller has aircraft flight control, the connected controller will receive takeover prompts and the pilot can decide whether to take over or not. For a negative decision or when a decision is not made within the given time, a failsafe logic will be triggered.
 - During operation, if the disconnected controller reconnects to the aircraft, it has no control of any device by default. Pilots can take control according to their requirements.
 - Settings related to gimbal and camera are only available to the remote controller that has control of gimbal and camera.
 - Functions such as download and playback of gimbal and camera are only available to the remote controller that has control of gimbal and camera.
 - Normally, both remote controllers can configure the flight controller, vision system, video transmission, and Intelligent Flight Battery. However, if aircraft flight control is locked, only the remote controller that has aircraft flight control can perform such configurations.
 - Both remote controllers can perform operations that will not affect flight.
 - Controller B does not support Mission upload for AI Spot-check.
 - Controller A supports one-click upgrade when connecting to the aircraft and gimbal and camera. Controller B only supports remote controller upgrade.
 - DJI Pilot 2 app log upload: Controller A supports uploading Controller A aircraft log and remote controller log, while Controller B only supports uploading Controller B remote controller log.
 - Controller B does not support the upgrade of flight limits database.
 - Users can control the zoom of the camera by using the joystick of the RC with gimbal control.

Video Transmission Descriptions

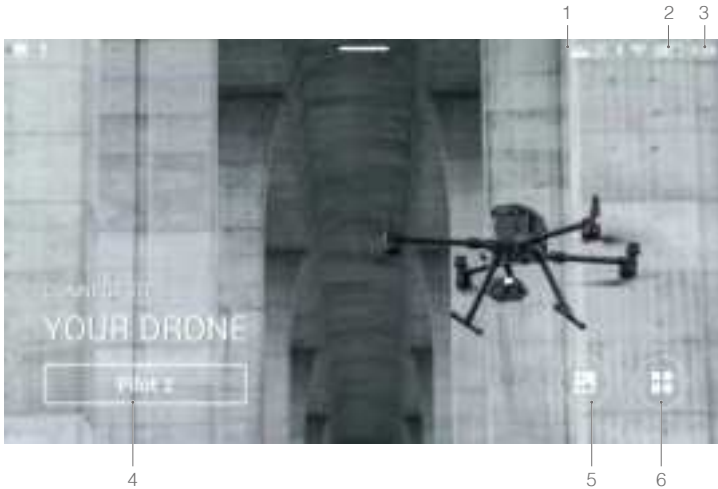
Matrice 300 RTK aircraft features OcuSync Enterprise technology, supports up to three 1080p video transmissions, and also supports single remote controller mode or dual remote controller mode.

- Single remote controller mode: supports two 1080p video transmissions.
- Dual remote controller mode: supports up to three 1080p video transmissions and each remote controller can select two of the video transmissions to display.

<div><div></div><div>Transmission resolution is limited by the output capability of different payloads, for reference only.</div></div>		
<ul style="list-style-type: none">Zenmuse P1: 1080pZenmuse L1: 720pZenmuse H20 / H20T: 1080p	<ul style="list-style-type: none">Zenmuse H20N: 1080pFPV Camera: 960pZenmuse Z30: 720p	<ul style="list-style-type: none">Zenmuse XT S: 640pZenmuse XT2: 720p

Display Interface

Homepage



1. DJI Smart Controller Expansion Kit Connection Status

Displays when the DJI Smart Controller Expansion Kit is connected.

2. Battery Level

Displays the internal and external battery level of the remote controller.

3. Time

Displays local time.

4. DJI Pilot 2

Tap to enter DJI Pilot 2. The button is blue if the remote controller is linked to the aircraft. Users can tap to enter camera view after logging in using a DJI account.

5. Gallery

Tap to check stored images and videos.



6. App Center

Tap to check all applications. Refer to the App Center section for more information.



Navigate on the remote controller by using the 5D button, the control sticks, or touching the screen. Confirm a selection by pressing the 5D button or touching the screen. Refer to the Control Stick Navigation section for more information.

App Center

Tap  to enter App Center. Users can find default system apps and third-party apps that have been downloaded. Tap  to find the System Settings and GEO Zone.



The App Center is subject to change in future

To move an app, hold the icon and move the app to where you wish to place it. To delete the app, hold the icon and drag it to the top of this page. Note that default system apps cannot be deleted.

Flight Restriction Info provides related flight restriction information.


Tips provides basic function introduction, aerial photography tips, view and share instructions.

Manage videos, photos, files and SD card in File Manage.

The system comes with the Browser.

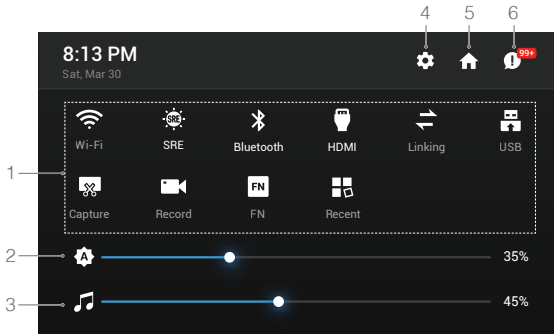
Press Settings to be able to configure settings such as button combinations, control stick navigation, date & time, languages, Wi-Fi, and Bluetooth.

The remote controller comes with the DJI Pilot 2 app.

 DJI bears no responsibility for the safe use of or compatibility support for third-party apps. If a third-party app is affecting the performance of the Smart Controller, try to delete the third-party apps or reset the Smart Controller to factory settings. To reset the Smart Controller to factory settings, go to Factory Data Reset under Settings.

Quick Settings

Swipe down from the top of the screen to open Quick Settings.



The Quick Settings is subject to change in future

- 1 Tap an icon to enable or disable the corresponding function. Hold the icon to enter the settings of the function (if available).

: Tap to enable or disable Wi-Fi. Hold to enter settings and connect to or add a Wi-Fi network.

: Tap to enable or disable SRE mode. Hold to enter settings and select an SRE mode.

: Tap to enable or disable Bluetooth. Hold to enter settings and connect with nearby Bluetooth devices.

: Tap to enable or disable the HDMI connection. Hold to enter settings and adjust HDMI resolution, rotation, output mode, and screen zoom.

: Tap to start linking the remote controller to an aircraft.

: Tap to switch between USB external device mode and USB data export mode.

Mobile devices can be connected in the USB external device mode.

Update and data export can be used when the remote controller is connected to a PC in USB data export mode.

: Tap to screenshot the screen.

: Tap to start recording the screen. While recording, the screen displays the recording time. Tap "Stop" to stop recording.

: Hold to check the button combinations.

: Tap to check recently opened apps.

2 Adjusting Brightness

Slide the bar to adjust brightness. The icon means auto brightness. Tap this icon or slide the bar, and the icon will turn to to switch it to manual brightness mode.

3 Adjusting Volume

Slide the bar to adjust the volume. Tap to mute the volume.


4 System Settings

: Tap or hold to enter settings.

5 Homepage

 : Tap to go back to the homepage.

6. Notifications

 : Tap to check system notifications.



- SRE (Sunlight Readable Enhancement) allows users to bump up the highlights or shadows of an image individually or together. This helps users see particular areas of the screen more clearly when sunlight is strong.
- Quick Settings vary depending on the aircraft model linked and the firmware version of the Smart Controller.

Control Stick Navigation

Tap Control Stick Navigation in Settings. Users can enable or disable the control sticks and 5D button to navigate on the remote controller.

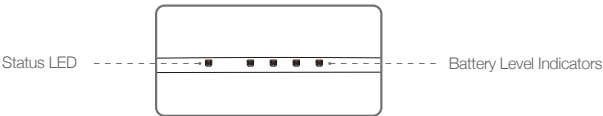
Control Sticks: Move up, down, right, or left to navigate. It is not possible to confirm a selection with the control sticks.

5D Button: Push up, down, right, or left to navigate. Press to confirm a selection.



















- As the control sticks and 5D button may not be compatible with third-party apps, it is recommended to use the touchscreen to navigate when using third-party apps.
- Control Stick Navigation is not available when the remote controller is linked to an aircraft, even if it is enabled beforehand.

Status LED and Battery Level Indicators Description



The battery level indicators displays the battery level of the controller. The status LED displays the linking status and warnings for control stick, low battery level, and high temperature.

Status LED	Description
Solid Red	The remote controller is not linked to an aircraft.
Solid Green	The remote controller is linked to an aircraft.
Blinks Blue	The remote controller is linking to an aircraft.
Blinks Red	The temperature of the remote controller is too high.
Blinks Yellow	The battery level of the remote controller is low.
Blinks Cyan	The control sticks are not centered.

Battery Level Indicators				Battery Level
				75%~100%
				50%~75%
				25%~50%
				0%~25%

Smart Controller Warning Sounds

In certain scenarios that require a user warning, the Smart Controller will do so by vibrating and/or beeping. When the controller beeps and the status LED is solid green, this error may be related to the aircraft or flight status, and a warning will appear in DJI Pilot 2. If this error is related to the Smart Controller, the controller's screen will display a warning or alert.


To disable the beeping, power on the remote controller, select "Sound" in Settings, and turn off "Notification volume".



Some prompts or warning sounds cannot be turned off, such as linking, high temperature alarm, low battery alarm, stick operation mode switching, stick and key power-on self-test alarm, etc.

Firmware Update

Using the DJI Assistant 2

1. Make sure the remote controller is powered off, and then connect the remote controller to a computer using a USB cable with dual-A ports.
2. Power on the remote controller. Tap  on USB data export mode.
3. Launch DJI Assistant 2, and log in using a DJI account.
4. Click the DJI Smart Controller Enterprise icon, and then "Firmware Update".
5. Select and confirm the firmware version you want to update.
6. DJI Assistant 2 will download and update the firmware automatically.
7. The remote controller will restart after update.

Using the DJI Pilot 2 app

1. Power on the remote controller and make sure the Internet connection is functioning normally.
2. Run DJI Pilot 2. A prompt will appear on the homepage if new firmware is available. Tap to enter the Firmware Update view.
3. Tap Update All and DJI Pilot 2 will download the firmware and update the remote controller.
4. The remote controller will restart after an update.



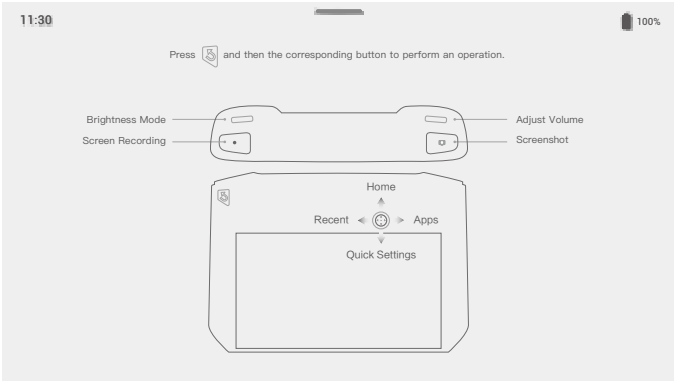
- Make sure the remote controller has more than 20% power before updating.
- DO NOT disconnect the USB cable during the update when using DJI Assistant 2.
- The update takes approximately 15 minutes. Make sure the remote controller or the computer is connected to the internet during the update.

Button Combinations

Some frequently-used features can be activated by using button combinations. To use button combinations, hold the back button and then press the other button.

Checking the available button combinations

Hold the Back button until the controller vibrates to check button combinations:



Button Combinations


Using Button Combinations

The functions of the button combinations cannot be changed. The following table displays the function of each button combination.

Button Combinations	Description
Function Button + Right Wheel	Adjust the system volume
Function Button + Left Wheel	Adjust the screen brightness
Function Button + Record Button	Record the screen
Function Button + Focus/Shutter Button	Screenshot the screen
Function Button + 5D Button (up)	Return to Homepage
Function Button + 5D Button (down)	Open Quick Settings
Function Button + 5D Button (left)	Check recently opened apps
Function Button + 5D Button (right)	Open App Center


Calibrating the Compass

After the remote controller is used in places with electro-magnetic interference, the compass may need to be calibrated. A warning prompt will appear if the remote controller's compass requires calibration. Tap the warning pop-up to start calibrating. In other cases, follow the steps below to calibrate your remote controller.

1. Enter the App Center, tap , and scroll down and tap Compass.
2. Follow the diagram on the screen to calibrate your remote controller.
3. The user will receive a prompt when the calibration is successful.

Blocking Third-party Notifications

To ensure safe flight, we recommend to disable third-party notifications before each flight. Follow the steps below to disable third-party notifications.

1. Enter the App Center, tap , and scroll down and tap Notifications.
2. Enable "Aerial Photography Do Not Disturb Mode".

HDMI

A monitor can display the remote controller's interface by connecting the remote controller to a monitor using a HDMI cable. Follow the steps below to enable the HDMI connection.

1. Swipe down from the top of the screen to open Quick Settings.
2. Follow the diagram on the screen to calibrate your remote controller. Tap HDMI to enable or disable the HDMI connection. Hold to enter settings and adjust HDMI resolution, rotation, output mode, and screen zoom.

Gimbal and Camera

This section focuses on how to use the gimbal.


Gimbal and Camera

M300 RTK supports multiple payload configurations. See the table below for more details.

Payload combinations		Gimbal and camera type
Single gimbal	Single upward gimbal	XT S, Z30, H20, H20T, PSDK payload
	Single downward gimbal	H20N, H20, H20T, L1*, P1*, XT2, XT S, Z30, PSDK payload
Dual gimbals	Dual downward gimbals	XT2**+Z30, XT2**+H20, XT S+Z30, XT S+H20, above single gimbal type+PSDK payload
	Single downward gimbal+Single upward gimbal	
Triple gimbals	Dual downward gimbals+Single upward gimbal	The above dual gimbal combinations+PSDK payload

* To ensure the mapping accuracy, the L1 and P1 are only used as single downward gimbal, and are not suitable for multi-payload scenarios.

** XT2 can only be mounted on the 1st gimbal port. It doesn't support upward gimbal/2nd gimbal port.

 • Refer to the related gimbal and camera user manual to learn how to use the gimbal and camera.

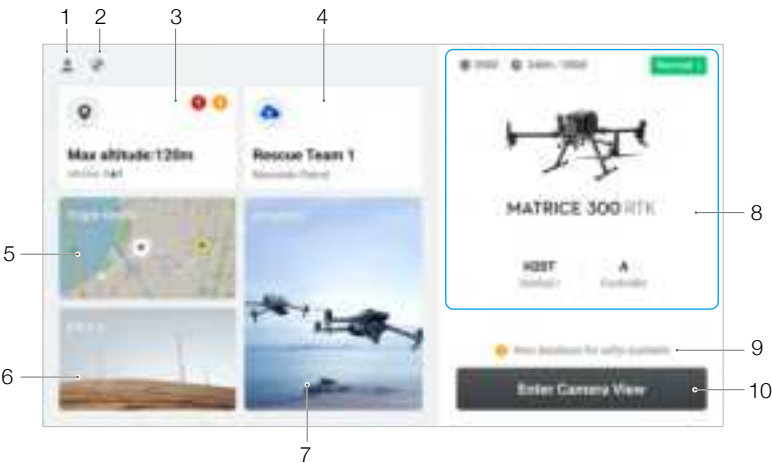
DJI Pilot 2 App

This section introduces the main functions of the DJI Pilot 2 app.

DJI Pilot 2 App

The DJI Pilot 2 app is specifically developed for enterprise users. Manual flight integrates a variety of professional features that make flying simple and intuitive. Mission flight supports flight planning and automatic operation of the aircraft, making your workflow much simpler and more efficient.

Homepage



- 1. **Me**
Tap to view flight records, download offline maps, manage GEO Zone unlocking, read help documentation, select a language, and view app information.
- 2. **Data and Privacy**
Tap to manage network security modes, set security codes, manage app cache, and clear DJI device logs.
- 3. **GEO Zone Map**
Tap to view the GEO Zone map, check offline whether the current operating area is in a restricted zone or authorization zone, and the current flyable altitude.



- a. Tap to update the GEO Zone database of the remote controller, if an update is available.
- b. Tap to update the GEO Zone database of the aircraft, if an update is available.
- c. Tap to enter and manage the unlocking certificate. If the aircraft is already connected to the remote controller, users can select the unlocking certificate directly to unlock the aircraft.

4. Cloud Service


Tap to enter the cloud service page, view the connection status of the cloud service, select the type of service, or switch from the currently connected service to another cloud service.

- a. If the DJI account logged in by the user has the DJI FlightHub 2 license, tap the cloud service on the app homepage to automatically log in to DJI FlightHub 2. DJI FlightHub 2 is a cloud-based integrated online management platform for aircraft, providing users with real-time aircraft monitoring and equipment and member management.

Visit the DJI FlightHub 2 page on the DJI official website for more information:

<https://www.dji.com/flighthub-2>

- b. If connected to the GB28181 service, GB28181 and its connection status will be displayed.
- c. If connected to a live service such as RTMP or RTSP, the corresponding live URL and connection status will be displayed.

 If the service is connected, the font will be displayed in dark black; if it is connecting, a connecting prompt will appear in the upper right corner of the cloud service; if it is offline or disconnected, an orange icon will appear in the upper right corner of the cloud service as an abnormal alert.

5. Mission Flight

Tap to enter the mission flight library. Users can create and view all mission flights. Mission flights can be imported from and exported in batches to the remote controller or another external mobile

storage device. If DJI FlightHub 2 is connected, you can also view all mission flights sent from or upload local tasks to the cloud. Refer to the Mission Flight section for more details.

6. Album

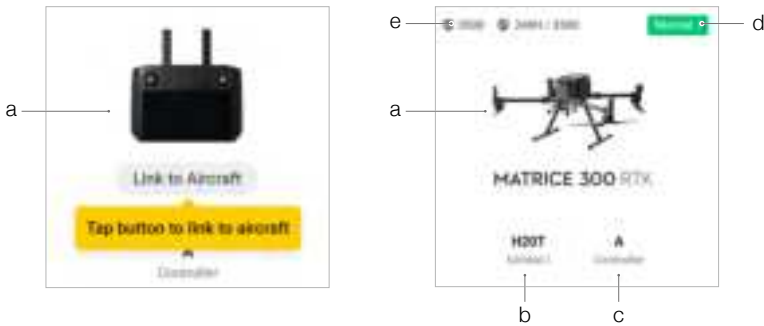
Tap to view your masterpieces all in one place. You can save the photos or videos to the remote controller. Note that photos and videos cannot be viewed if disconnected from the aircraft.

7. Academy

Tap to view enterprise product tutorials, flight guides, industry cases, and download product manuals to the remote controller.

8. Health Management System

Displays the health status of the aircraft, remote controller, and payload.



- If the current remote controller is not connected to the aircraft, the picture of the remote controller will be displayed. Tap to link the remote controller to the aircraft, and the aircraft model and picture will be displayed after it is connected.
- If the payload is abnormal, the payload name will appear in orange or red. Tap to view the error information on the payload.
- The current remote controller role is displayed as A or B (the role name of the current remote controller appears in dark black). Tap to view the error information on the remote controller or switch the remote controller role.
- Tap to enter the health management system. The health status of the aircraft and the remote controller is displayed here. If it appears in green (normal), the aircraft is normal and can take off. If in orange (caution) or red (warning), the aircraft has an error and must be checked and cleared before takeoff. Read the Health Management System (HMS) section for more details.
- The maintenance information of the current aircraft is displayed here. If the aircraft has DJI Care, its validity period will also be shown. Tap to view the device information, including cycle count, flight duration, flight history, activation time, and flight mileage.

9. Firmware Update Shortcut

If an update is necessary, a prompt will appear notifying the user that new firmware is available or a consistent firmware update is needed for the aircraft and remote controller.

Inconsistent firmware versions will affect flight safety, therefore the app will prioritize consistent firmware updates. Tap the prompt to enter the firmware update page.

-
- A consistent firmware update is required when the firmware versions of some modules of the aircraft are inconsistent with the compatible version of the system. In a typical consistent firmware update situation, the aircraft and remote controller will be updated to the latest version except for extra batteries. When these batteries are used, a prompt will appear requiring a consistent firmware update to ensure flight safety.

10. Camera View

Tap to enter Preflight Check view and FPV camera view and switch to gimbal camera view. Refer to the Preflight Check View, FPV Camera View and Gimbal Camera View sections for more details.

Preflight Check View

Tap Enter Camera View on the homepage of DJI Pilot 2 to enter Preflight Check view.



1. View the aircraft's health information, flight mode, intelligent flight battery level, remote controller role, remote controller internal and external battery levels, Home Point status, RTK status, and camera microSD card storage information.
2. Set the return-to-home altitude, out-of-control action, maximum altitude and maximum flight distance, update the Home Point, select the control stick mode, and set the battery warning threshold, obstacle sensing switches and obstacle sensing distances.

-
- It is recommended to carefully conduct the preflight check according to the operation scenario and requirements before takeoff.
 - Before executing a mission flight, conduct a preflight check and verify the basic parameter information of the mission flight. Refer to the Mission Flight section for details.

FPV Camera View

Using FPV Camera View

After tapping Enter Camera View on the homepage of DJI Pilot 2 and finishing the preflight check, you will be directed to FPV camera view by default.



1. Top Bar: displays the aircraft status, flight mode, signal quality, etc. Refer to the Top Bar section for more details.
2. Beacons Switch: Tap to turn the beacons on or off.
3. Discreet Mode Switch: Tap to turn off the aircraft rear indicators and front indicators, beacons, auxiliary light, and battery indicators. After enabling Discreet Mode, the auxiliary light will not turn on during landing, which may present certain risks. Use Discreet Mode with caution.
4. Flight Route: Tap to enter the flight route library. Users can create and view all flight tasks and more.
5. Map View: Tap to switch to map view. The map view supports zooming in and out.
6. Gimbal Camera View: Tap to switch to gimbal camera view. The gimbal camera view supports zooming in and out.
7. AR Projection: projects information such as PinPoints, waypoints, and the Home Point in FPV camera view and gimbal camera view to improve flight perception. Refer to the AR Projection section for more details.
8. Primary Flight Display (PFD): shows parameters such as attitude, speed, altitude, and wind speed during a flight. Refer to the Primary Flight Display (PFD) section for more details.

Primary Flight Display (PFD)

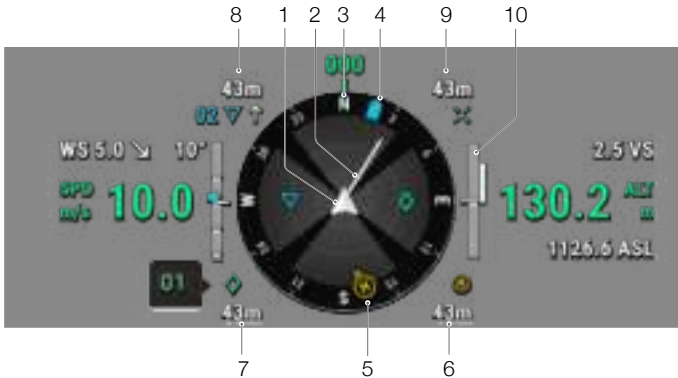
Primary Flight Display (PFD) makes flying easier and more intuitive, enabling users to see and avoid obstacles around the aircraft, as well as stop and adjust the flight trajectory if necessary.

Primary Flight Display may appear differently when the main view is through an FPV camera or gimbal camera (zoom camera/wide camera/thermal camera).



1. Speed wheel.
2. Wind speed and direction. The wind direction is relative to the aircraft.
3. Aircraft horizontal speed.
4. Preset speed of the flight route during the mission flight.
5. Artificial Horizon: reflects the attitude of the aircraft, which is opposite to its tilt angle.
6. Aircraft Heading Indicator: always in the middle of the camera view.
7. Flight Path Vector: the position the aircraft is about to reach.
8. Altitude Limit (LIM): configured by the flight controller setting.
9. Preset height of the flight route during the mission flight.
10. Vertical Obstacle Indicator: displays the vertical obstacle information of the aircraft. When there is an obstacle above or below the aircraft, the information can be compared with the height of the obstacle to detect any imminent collision and avoid accidents. When upward and downward sensing are disabled, OFF will be displayed to remind the user that vertical obstacle sensing is turned off.
11. Vertical Speed: displays the vertical speed of the aircraft when ascending or descending. The white line shows the position of the aircraft in three seconds. The higher the vertical speed, the longer the white line.
12. Altitude (ALT): displays the altitude of the aircraft relative to the takeoff point.
13. RTH Altitude (RTH): displays the RTH altitude configured by the flight controller setting.
14. True Altitude (ASL): displays the true altitude of the aircraft.
15. Navigation Display: shows the aircraft and gimbal orientation, and obstacle avoidance information from a top-down perspective. Refer to the Navigation Display section for more details.

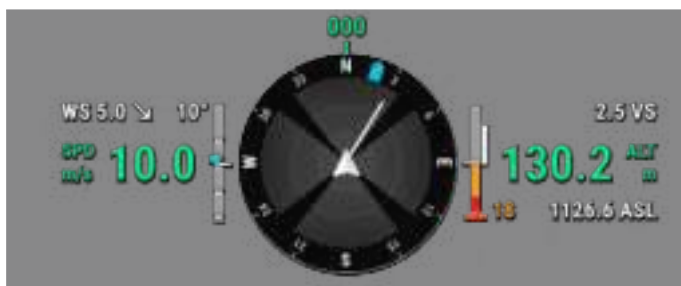
Navigation Display



Navigation Display only shows the speed, altitude and other information on the left and right sides in gimbal camera view. In FPV camera view, such information is shown in the form of Primary Flight Display.

1. Aircraft: Navigation Display rotates with the aircraft.
2. Aircraft Horizontal Speed Vector: The white line drawn by the aircraft indicates the flight direction and speed of the aircraft.
3. Aircraft Orientation: displays the current orientation of the aircraft. The displayed degree is counted clockwise from the north, with the north assumed as 0 degrees and the step length being 30 degrees. For example, the number 24 in the compass indicates the heading of the aircraft after a 240-degree clockwise rotation from 0 degrees.
4. Gimbal Orientation: displays the orientation of the gimbal relative to the aircraft in real time. The icon rotates with the gimbal.
5. Home Point and Remote Controller Orientations:
 - a. Displays the home position relative to the aircraft. When the Home Point horizontal distance exceeds 16 m, the Home Point icon will stay on the edge of the Navigation Display.
 - b. When the relative distance between the Home Point and the remote controller is no more than 5 meters, only the Home Point will be displayed in Navigation Display. When the relative distance is more than 5 meters, the remote controller will be displayed as a blue dot to indicate its position. When the horizontal distance between the remote controller and the aircraft exceeds 16 meters, the remote controller position icon will stay on the edge of Navigation Display.
 - c. When the compass of the remote controller is working normally, the blue dot shows the direction of the remote controller. If the signal is poor during flight, point the arrow of the remote controller in Navigation Display to the direction of the aircraft.

6. Home Point Distance: displays the horizontal distance between the Home Point and the aircraft.
7. PinPoint Information: displays the name of the PinPoint and the horizontal distance from the aircraft to the PinPoint, when PinPoint is enabled.
8. Waypoint Information: displays the name of the waypoint, the horizontal distance from the aircraft to the waypoint, and the ascending or descending trajectory of the flight route, during a mission flight.
9. RNG Target Point Information: displays the horizontal distance from the aircraft to the target point, when the RNG laser rangefinder is enabled.
10. Vertical Obstacle Sensing Information: Once an obstacle is detected in the vertical direction, an obstacle bar icon will appear. When the aircraft reaches the warning distance, the icon will glow red and orange, and the remote controller will emit long beeping sounds. When the aircraft reaches the obstacle braking distance, the icon will glow red, and the remote controller will emit short beep sounds. Both the obstacle braking distance and the warning distance can be set in DJI Pilot 2. Follow the prompted instructions in the app to set them.



Horizontal Obstacle Sensing Information: The light areas are the obstacle sensing areas of the aircraft, while the dark areas are the blind spots. During flights, keep the aircraft speed vector line out of the obstacle-sensing blind spots.

- a. If the warning distance set in the app is from 16 m to 33 m, once an obstacle is detected, a green arc will appear in the direction of the obstacle; when the obstacle reaches the warning distance, it turns orange; when the obstacle approaches the obstacle braking distance, it changes to a red frame.



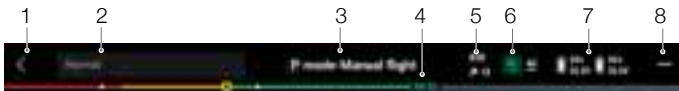
- b. If the warning distance set in the app is less than 16 m, and the obstacle is within 16 m but has not reached the warning distance, the obstacle will be indicated by a green frame; when the obstacle is within 16 m and reaches the warning distance, it turns orange; when the obstacle approaches the obstacle breaking distance, it turns red.











- c. When the obstacle sensing is disabled, OFF will be displayed; when obstacle sensing is turned on, the vision systems are not working but infrared sensing systems are available, TOF will be displayed; when obstacle sensing is turned on but not working, NA will be displayed.



Top Bar



1. Back: Tap to return to the homepage of the DJI Pilot 2 app.
2. System Status Bar: indicates the aircraft flight status and displays various warning messages. If a new alert appears during flight, it will also be displayed here and continue flashing. Tap to view the information and stop the flashing.
3. Flight Status:
 - a. The flight statuses include: standby, preparing to take off, ready to go, manual flight, mission flight, pano in progress, ActiveTrack, returning to home, landing, forced landing, and vision positioning.
 - b. When the aircraft is in vision positioning, standby, or manual flight status, the current flight mode will be displayed, including: P-mode, S-mode, A-mode, and T-mode.
 - c. Tap to enter Preflight Check view.
4. Intelligent Flight Battery Level Indicator: The battery level indicator bar provides a dynamic display of the remaining power of the current intelligent flight battery and the flying time. Each battery state is

- indicated by a different color. When the battery level is lower than the warning threshold, the battery icon on the right turns red, reminding the user to land the aircraft as soon as possible and replace the batteries.
5. GNSS Positioning Status: displays the number of GNSS satellites. When the aircraft RTK module is disabled, the RTK icon will turn gray; when it is enabled, the RTK icon will turn white. Tap the GNSS positioning status icon to view the status of the RTK mode and GNSS positioning.
 6. Signal Strength: includes HD video link quality and remote controller link quality. Three green dots indicate strong signals; two yellow dots for medium signal strength; and one red dot for poor signal quality. If the signal is lost, the icon will display a disconnected status in red.
 7. Intelligent Flight Battery Level: displays the remaining battery level of the aircraft. Tap to view battery level, voltage and temperature information.
 8. Settings: Tap to expand the settings menu to set the parameters of each module.
 - a.  Flight Control System Settings: include flight mode switch, Home Point, return to home altitude, maximum altitude, distance limit, sensor status, out-of-control action, coordinated turn, and GNSS.
 - b.  Sensing System Settings: include obstacle sensing switch, vision positioning switch, and precision landing switch.
 - c.  Remote Controller Settings: include stick mode, customizable button settings, and remote controller calibration and linking.
 - d.  Video Transmission Settings: include work frequency, channel mode, and video output type.
 - e.  Intelligent Flight Battery Settings: include battery information, smart return-to-home, low battery warning thresholds, and number of days required for self-discharge.
 - f.  Gimbal Settings: include gimbal pitch and pan settings, and gimbal auto calibration.
 - g.  RTK Settings: include the RTK positioning function, maintain positioning accuracy mode, RTK service type, and their corresponding settings and status displays.
 - h.  General Settings: include map selection, track display, unit setting, and lights setting.

AR Projection

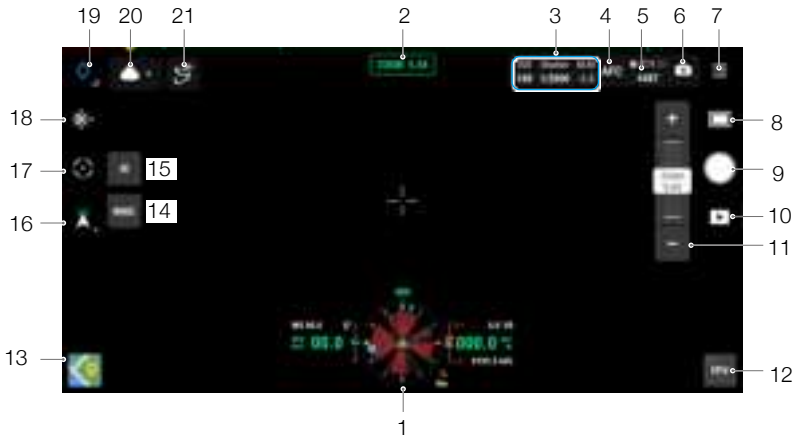
DJI Pilot 2 App supports AR projection, including:

- a. Home Point: When the Home Point is beyond the current view, it will be displayed on the edge of the view. The aircraft can be turned towards the Home Point by following the arrow.
- b. PinPoints: A PinPoint appears bigger when near the aircraft and smaller when it is far. This allows users to judge the distance between the PinPoint and the aircraft from the size of the PinPoint. When a PinPoint selected is beyond the current view, it will be displayed on the edge of the view. The aircraft can be turned towards the PinPoint by following the arrow.
- c. Waypoints: In a mission flight, the two waypoints the aircraft is about to reach will be projected on FPV camera view or gimbal camera view. The next waypoint to be reached will appear as a solid triangle and a serial number; while the subsequent waypoint will appear as a dotted triangle and a serial number.
- d. ADS-B Manned Airplane: When a manned airplane is detected close by, it will be projected on FPV camera view and gimbal camera view. Ascend or descend the aircraft as soon as possible to avoid the manned airplane by following the prompted instructions.

Gimbal Camera View

Using Gimbal Camera View

Gimbal camera view will appear when you switch the main view to the gimbal camera. Below is an illustration using the zoom camera of the H20T as the main view.



1. Navigation Display: Refer to the Navigation Display section for details. Note that in gimbal camera view, the horizontal speed, wind speed, gimbal pitch angle and pitch scale, and the inclination of the gimbal relative to the ground are shown on the left side. When the gimbal is at a key angle such as -90° , 0° , or -45° , the number will be highlighted. The right side of Navigation Display shows the altitude, relative altitude, vertical obstacle sensing information, and vertical speed bar.
2. Camera Type: displays the camera type for the current main view.
3. Camera Parameters: displays the camera's current shoot/record parameters.
4. Focus Mode: Tap to switch the focus mode, between MF (manual focus), AFC (continuous autofocus) and AFS (single autofocus).
5. Storage Mode: displays the remaining storage capacity of the aircraft's microSD card. Tap to switch the display mode, to show the remaining number of photos that can be taken in photo mode or the remaining recording time in video mode.
6. Switch to Auto/Manual Exposure: The zoom camera supports Auto and M modes. The EV can be set in Auto mode, and the ISO and shutter can be set in M mode.
7. Camera Settings: Tap to enter the camera setting menu. The camera setting menu may vary by camera type. Select a camera type to view its parameters.
8. Photo/Video Toggle: Tap to switch between photo and video modes, and select different shooting or recording modes.
 - a. The photo modes include single, timed, High-Res Grid shooting, panorama, etc.
 - b. Various resolutions can be selected in video recording mode. The zoom camera supports resolutions of 3840×2160 and 1920×1080 , wide-angle camera supports resolutions of 1920×1080 , and the thermal camera supports resolutions of 640×512 .

9. Shoot/Record Button: Tap to take a photo or start or stop recording.
10. Playback: Tap to enter the album to view and download photos/videos stored in the aircraft's microSD card.
11. Zoom Bar: Drag to adjust the zoom ratio.
12. FPV Camera View: Tap to switch to FPV camera view. The FPV camera view supports zooming in and out.
13. Map View: Tap to switch to map view. The map view supports zooming in and out.
14. Switch to Wide/Zoom Camera Lens: Tap to switch between the wide-angle camera lens and the zoom camera lens.
15. Switch to Visible Light/Thermal Camera Lens: Tap to switch between the visible light camera lens (wide-angle camera or zoom camera) and the thermal camera lens.
16. Gimbal Mode: displays the current gimbal status as follow mode. Tap to select an action such as gimbal recenter, gimbal pan recenter, gimbal tilt down, or gimbal down, or switch to gimbal free mode. Refer to the sections on the aircraft gimbal working modes for the detailed description of each mode.
17. Smart Track: The aircraft's gimbal camera can track the target (person/vehicle/boat) when Smart Track is enabled. Refer to the Smart Track section for more details.
18. RNG Laser Rangefinder: The straight-line distance between the aircraft and the target, as well as the height of the target can be measured using the RNG Laser Rangefinder. Refer to the RNG Laser Rangefinder section for more details.
19. PinPoint: Tap and hold the icon to expand the PinPoint settings panel, which allows you to set the PinPoint color, view all target points, or enable the default display of target points in video transmission view. Refer to the PinPoint section for more details. After selecting a PinPoint, the user can tap the Look At icon to rotate the gimbal, allowing the camera to look at the target.
20. Status of Photo/Video Upload to Cloud: displays the status of a photo/video upload from DJI Pilot 2 to DJI FlightHub 2 or the connection status of a live stream; tap to view the details. If you are using the DJI FlightHub 2 cloud service, you can quickly configure its media file upload settings.
21. Mission Flight Control/Status: displays the progress of a mission flight in gimbal camera view. Tap the Pause/Resume button to pause/resume the task, and tap the panel to view the mission flight name and actions.

Wide Camera View

This section mainly sets out the differences with zoom camera. Refer to the Gimbal Camera View section for more details.



Zoom Frame: After switching to a wide-angle camera as the main view, the zoom frame will display the field of view and camera zoom rate.

Thermal Camera View

This section mainly sets out the differences with zoom camera. Refer to the Gimbal Camera View section for more details.



1. Palette/Isotherm: displays the highest and lowest temperature measurement values of the current view. Tap to choose between different infrared temperature measurement palettes, or enable the isotherm to set temperature measurement intervals. Note that if the measured area exceeds the maximum or minimum temperature measurement values of the current view, the setting will not take effect.
2. Gain Modes: Using the H20T as an example, the high gain mode provides more accurate temperature measurements with a measurement range from -40°C to 150°C (-40°F to 302°F), while

low gain mode supports a wider temperature measurement range of -40° to 550° C (-40° to 1022° F). Note that the range is only a theoretical value, and even though the thermal camera can measure temperatures beyond the range, the value may deviate substantially.

3. Display Mode: The infrared screen is set as single infrared view by default. Tap to enable or disable side-by-side view. When enabled, both the footage captured by the infrared thermal camera and the zoom camera will be displayed side by side.
4. FFC Calibration: Tap to execute FFC calibration. FFC calibration is a function of the infrared thermal camera that optimizes image quality for easy observation of temperature changes.
5. Zoom (Thermal Camera): Using the H20T as an example, tap to adjust the digital zoom of the infrared thermal camera with a maximum zoom capability of 8x. Tap and hold to zoom directly to 1x.

Laser Rangefinder (RNG)



1. Tap to enable the RNG.
2. The cross hair in the center of the lens will turn red, which means the laser rangefinder is aiming at the target and measuring the altitude of the target and distance between the target and the aircraft. The latitude and the longitude of the target can be obtained after a PinPoint is created on the target.
3. The linear distance between the target and the aircraft.
4. The altitude between the target and the aircraft.
5. The horizontal distance between the target and the aircraft.



- RNG positioning is limited by factors such as the GNSS positioning accuracy and gimbal attitude accuracy. The GNSS position, horizontal distance, Navigation Display, and AR projection are provided for reference only.
- When the zoom camera is aiming, the cross hairs will be an upright cross, while with the wide-angle camera or thermal camera it will turn into an X.

Smart Track

Introduction

When operating the H20N or H20 series gimbal camera, the pilot can use Smart Track to identify, lock and track targets such as people, vehicles, boats, or other objects. After recognizing and locking the target, it will automatically rotate the gimbal to situate the target in the center of the screen, and adjust the camera focal length to an appropriate focus rate to track and view the target.



- When the tracked target is set to objects, the tracking effect will be limited.



- Use Smart Track in an open environment to avoid blocking the target.
- When the aircraft is returning to the Home Point, landing or set to T-mode, Smart Track will be disabled. The device will exit Smart Track immediately in any of the above situations.

Identifying and Locking a Target

Smart Track can be enabled after entering zoom view in the app.



1. Tap to start or stop Smart Track.
2. The feature identifies a person, vehicle, or boat as the target. Alternatively, you can gesture on the screen to select another object as the target.



- Tap to switch between gimbal follow mode and gimbal free mode.
- When Smart Track is enabled, a tracking frame will appear and select the target, and the cross hairs in the center of the zoom lens will turn green, indicating that tracking is in progress. If no target is confirmed, the tracking frame will not appear and the app will display the message "Searching for targets ...". If the target is blocked or lost, the device will predict and search for the trajectory of the target until it is reacquired before resuming the tracking. Otherwise, the device will quit Smart Track.



- If the user is selecting other types of targets by gesturing on the screen, any person, vehicle or boat that appears in the frame will be selected as the target and tracked.
- An object cannot be selected using gestures if the features of the object are not clear.

Tracking target (in gimbal follow mode)

In gimbal follow mode, the orientation of the aircraft is always consistent with that of the gimbal, both aiming at the target. The attitude of the gimbal will be adjusted automatically to situate the target in the center, while the camera will adjust its zoom to re-size the target. The user can fine-tune the size of the target in the field of view using the right dial of the remote controller.

Target Prediction: If a target is lost, the device will predict the motion trajectory and the gimbal will rotate automatically to search for the target.

Target Search: If the target is lost, the device will automatically search for its based on its predicted position. The user can also manually control the gimbal rotation and camera zoom to find the target.

Target positioning: The GNSS position of the target will be displayed in the navigation display and map (note that when the laser rangefinder of the H20N or the H20 series gimbal and camera continues to be invalid, the target position is for reference only), the position of the target will also be displayed in the FPV view.

Focus Tracking: The camera focus will be adjusted according to the distance of the target object.

In gimbal follow mode, "Smart Track" will be displayed on the top bar during tracking. The control mode of the aircraft is slightly different from its normal flight mode. Make sure you are familiar with the following controls and fly with caution.

Remote controller operation	Aircraft performed	Important
Pressing and holding the Pause button	Exits Smart Track.	/
Yaw stick	Adjusts yaw movement of gimbal	The adjustable range is limited during tracking.
Pitch stick	Flies the aircraft toward or away from the target horizontally. The maximum flight speed is less than 17 m/s. Continue operating the stick to keep tracking the target.	When it is close to the target horizontally, the aircraft's speed in the direction close to the target will be limited. The aircraft cannot approach the target in the following condition: a. The aircraft is less than 5 meters from the target. b. The target is under the aircraft that the gimbal tilt needs to be greater than 80°.
Roll stick	The aircraft circles the target horizontally. The maximum flight speed is less than 17 m/s.	When it is close to the target horizontally, the aircraft's orbiting speed will be limited.
Throttle stick	Controls the aircraft altitude	/
Gimbal pitch control dial	Adjusts the gimbal tilt	The adjustable range is limited during tracking.
Gimbal pan control dial	Adjusts the camera zoom	The adjustable range is limited during tracking.

Flight mode switch to T position	Exit Smart Track.	Can be used for emergency exit.
Flight mode switch to S position	Switch to gimbal free mode.	Will not switch to the gimbal follow mode once switched to P mode.



- When entering Smart Track, the camera will automatically switch to AF-C focus mode.
- To ensure optimal shooting of moving targets, taking photos during target tracking will not lock the gimbal. Motion blur may occur due to a static background.



- Poor recognition or tracking effect may occur in the below scenes:
 - a. Recognition may decline at night.
 - b. The tracking effect may decline when the payload is working at high magnification.
 - c. The tracking effect may decline in environments with poor visibility such as in a rain, fog, or haze.
 - d. The tracked object/target may change in scenes with heavy traffic, crowds, or large clusters of similar objects.

Tracking target (in gimbal free mode)

When the current state of the aircraft does not meet the operating conditions of the gimbal follow mode, it will automatically switch to the gimbal free mode. The possible switching situations are:

- a. When the aircraft flight control and the gimbal control belong to two different remote controllers.
- b. Flight mode switch is at S position.
- c. The aircraft is in attitude mode.
- d. Manually switch to gimbal free mode.
- e. The aircraft does not take off.

In gimbal free mode, the top flight status bar will not change after entering tracking. The control mode of the aircraft is the same as the normal flight mode.

Remote controller operation	Aircraft performed	Important
Press and hold on the Pause button	Exit the target tracking and return to the target selection stage.	/
Yaw stick	The same as the normal flight mode.	The aircraft and gimbal heading are different, please fly carefully.
Pitch stick		
Roll stick		
Throttle stick		
Gimbal pitch control dial	Adjust the gimbal pitch.	The adjustable range is limited during tracking.
Gimbal pan control dial	Adjust the camera zoom.	The adjustable range is limited during tracking.
Flight mode switch to T position	Exit the Smart Track.	Can be used for emergency exit.



- In gimbal free mode, the landing gear of the aircraft may appear in the view.
- In gimbal free mode, the gimbal rotation range is limited by the gimbal mechanical limit.

Map View



1. Tap to draw points on the map.
2. Tap to draw lines on the map.
3. Tap to draw an area on the map.
4. Tap to clear the flight track of the aircraft.
5. Map Layer Selection: Tap to select a satellite or street map (standard mode) according to operation requirements.
6. Map Lock: If enabled, the map cannot be rotated; if disabled, the map can rotate freely.
7. Recenter Button: Tap to quickly center the remote controller in the view.
8. GEO Zone Layer Management: Tap to view all GEO Zone layer information and enable or disable the GEO Zone layer.

Annotation Management and Synchronization

PinPoint


Introduction to PinPoint

When operating the H20N or H20 series gimbal camera, PinPoint is available. PinPoint can be used to set the location point of a target in gimbal camera view or map view, for quick observation and information synchronization.



1. Steps to Create a PinPoint: Adjust the attitude of the aircraft and the gimbal to move the target to the center of the current view. Press the L3 button of the remote controller to pin the target at the center. The PinPoint can record the latitude, longitude and altitude of the target.
AR projection will be created for the target in gimbal camera view or FPV camera view. It will become larger or smaller according to the distance between the aircraft and the PinPoint (big when near, small when far).
2. Selected PinPoint:
 - a. A small frame will appear around the PinPoint indicating it is selected.
 - b. The lower left corner of Navigation Display shows the horizontal distance from the target to the aircraft and the name of the point. The orientation of the point relative to the aircraft is shown within Navigation Display.
 - c. If the selected PinPoint is outside the video transmission view, the PinPoint icon will stay on the edge indicating the its orientation relative to the center of the view.
 - d. After selecting a PinPoint, the user can edit the name, color, latitude, longitude, and altitude of the target point, or drag the PinPoint on the map.
3. Tap **...** and tap **PinPoint** to change the custom remote controller settings to PinPoint, delete the selected PinPoint, or select the previous or next PinPoint. Users can quickly generate and select PinPoints by using the buttons.

4. Tap to switch to map view:
 - a. The PinPoint and its name will be displayed on the map accordingly.
 - b. In map view, you can also set a PinPoint by tapping the target. The point is at the cross hairs in the center of the map, and the altitude is the current flight altitude of the aircraft.
 - c. Tap to select a PinPoint on the map to view the creator of the point, the distance between the target point and the aircraft, the altitude, latitude and longitude of the target point, or set the PinPoint as the Home Point, or edit or delete the PinPoint.

-
-  • PinPoint positioning is limited by factors such as the GNSS positioning accuracy and gimbal attitude accuracy. The latitude and longitude, horizontal distance, Navigation Display, and AR projection are provided for reference only.
-

Editing PinPoints



1. Tap and hold the PinPoint icon to bring up the settings panel of the PinPoint. There are five color options for the PinPoint, and it is recommended to set a color for each type of target as required by the operation scenario.
2. Tap to expand the PinPoint list to view all the target points.
3. Set whether to display the newly created PinPoint in video transmission view.



1. Tap to export all PinPoints to the local folder of the remote controller.
2. Tap to close the current panel.
3. Filter the PinPoints by color. After a color is selected, it is displaying PinPoints of this color.
4. Filter the PinPoints by their visibility in video transmission view. The PinPoints can be filtered by any of these three criteria: show all PinPoints on this list; only show PinPoints that are visible in video transmission view on this list; only show PinPoints that are not visible in video transmission view on this list.
5. Tap to sort PinPoints in forward or reverse chronological order, or in alphabetical order by their names.
6. Tap to delete the PinPoint.
7. Tap to enable or disable AR projection display for the PinPoint in video transmission view.

Line and Area Annotation Management

Users can draw lines and areas on the map for synchronizing key information of roads and land.



1. Tap to display the Edit Point view.
2. Tap to display the Edit Line view.
3. Tap to display the Edit Area view.

Annotation Sharing

When operating the H20N or H20 series gimbal camera, the location of the target point identified by PinPoint can be synchronized with camera view, Navigation Display, map view, and DJI FlightHub 2 for sharing of location information. It can be displayed on both video transmission view and map view.



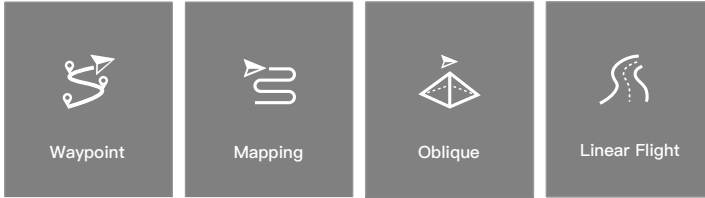
In Advanced Dual Operator mode, all point, line and area annotations can be synchronized with another remote controller.

When connected to DJI FlightHub 2, the DJI Pilot 2 app and the point, line and area annotations of DJI FlightHub 2 can be synchronized with each other. They can be viewed on the remote controller and other devices logged into DJI FlightHub 2 for real-time sharing of locations and annotations.

Mission Flight

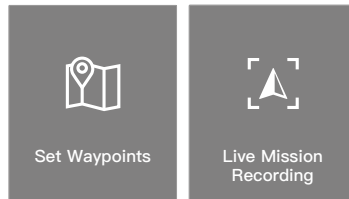
Introduction

Tap on the homepage of DJI Pilot 2 or the mission flight icon in camera view to enter the mission library. The user can view created mission flight routes, or newly created Waypoint, Mapping, Oblique, or Linear Flight missions. The above four types of missions are generated by the app; Waypoint flights can also be created through Live Mission Recording.



Mission Flight Introduction

The mission flight function is illustrated below with Waypoint flights as an example.



Waypoint flights can be planned in of two ways: Set Waypoints and Live Mission Recording. Use Set Waypoints to create a route by adding editable waypoints on the map. Use Live Mission Recording to create a route by adding waypoints and editing the target in photos captured along the route.

There are two functions which can be achieved:

Waypoints 2.0: Edit and save the waypoints before takeoff then start flying.

AI Spot-check: Edit and save the waypoints during flight, the mission will be saved after flight.

Mission Flight - Setting Waypoints

Tap Create a Route, Waypoint flight, and then Set Waypoints to create a new flight route. Tap on the map to add waypoints, then configure route and waypoint settings.



1. Point of Interest (POI): Tap to enable the POI function and a POI will be displayed on the map. Drag to adjust its position. After a POI is added, the aircraft yaw can be set as facing the POI so that the aircraft nose points at the POI point during the mission. Tap this icon again to disable the POI function.
2. Reverse Path: Tap to swap the start and end points to reverse the flight path. S refers to the start point.
3. Clear Waypoints: Tap to clear all the added waypoints.
4. Delete Selected Waypoint: Tap to delete the selected waypoint.
5. Parameters List: Edit the route name, advance flight route settings and altitude mode, and set the aircraft type as M300 RTK.
6. Route Settings: The settings are applied to the entire route, including safe takeoff altitude, ascend to start point, aircraft speed, aircraft altitude, aircraft yaw, gimbal control, waypoint type, and completion action. These parameters will take effect for all waypoints in the route. On how to set the relevant parameters for the waypoints individually, please refer to the next description.
7. Set Individual Waypoints: Select a waypoint and set its parameters. Tap "<" or ">" to switch to the previous or next waypoint. The settings are applied to the selected waypoint, including aircraft speed, aircraft altitude, aircraft yaw mode, waypoint type, aircraft rotation, gimbal tilt, waypoint actions, longitude and latitude.
8. Save
Tap to save current settings and create a mission flight.



9. Perform: Tap the button and then check the settings and status of the aircraft in the pop-up checklist. Tap the Start Flight button to perform the mission.
10. Flight Route Information: Displays the flight length, estimated flight time, waypoint quantity, photo quantity.

Mission Flight - Live Mission Recording

Tap Create a Route, Waypoint Flight, and Live Mission Recording to record information on the photos captured or aircraft position for the waypoint.

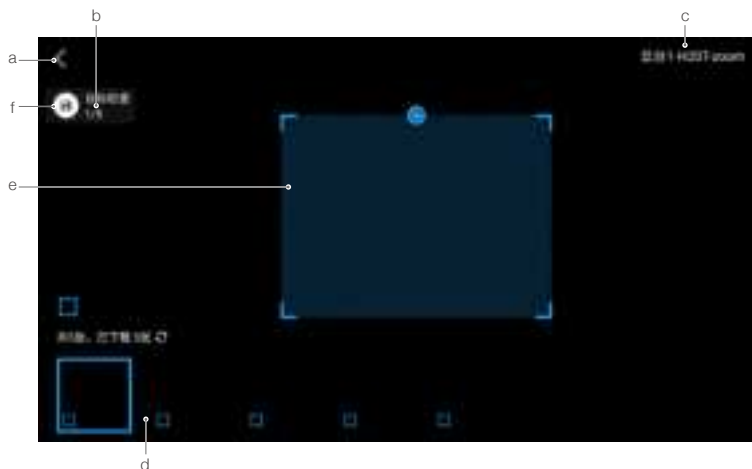


1. Control the gimbal, adjust the camera zoom and aim at the target, and tap to capture a photo directly or press the C1 on the remote controller to set a waypoint. The waypoint and photo quantity will increase accordingly.
2. The number of planned waypoints.
3. The number of planned photos.
4. Tap to switch to map view for editing or viewing. Tap to save current settings, and a flight route is created. When used with the H20 series gimbal and camera, tap Next to enter the AI Spot-check page for editing. Note that it is necessary to manually check the box of AI Spot-check, otherwise H20/H20T will only save the flight route of Live Mission Recording.

AI Spot-check

When pairing the M300 RTK with the H20 series payload, AI Spot-check is available. In AI Spot-check page, you can switch from different photos, drag-select photos and adjust the size. When the route is executed, the selected object will be accurately photographed.

- a. Back.
- b. Displays the waypoint number and the photo number.
- c. Displays the gimbal and lens of the photo.
- d. Photo thumbnails, tap to select the photo that needs to be edited accurately. The photo has been edited by AI Spot-check, and is marked with .
- e. Gesture to select the object in the photo, adjust the selection box size, drag or delete the selection box, and the selection box will follow the picture so as to enlarge or reduce. Tap once on the picture to hide / show other buttons and tools on the screen.
- f. Tap to save the flight route settings and the AI Spot-check configurations, and a flight route is created.



- AI Spot-check can only be used with the H20 series payload in zoom camera view.
- AI Spot-check takes photos at up to 10 times the focal length.
- RTK should be used for photo capture and Planned Route flight of the AI Spot-check, and the RTK base station coordinates of the photo capture and Planned Route flight must be the same.
- AI Spot-check can support up to 750 photos.
- The ratio of the selection box size of the photo to the area of the whole photo cannot be less than 1/25 when using AI Spot-check.
- The selection box position must be in the middle of the view and the size needs to be the same as the target size.
- If Advanced Dual Operator Mode is in use, Controller A must be used to complete the Demo Flight and mission upload.
- H20 and H20T gimbal and camera should be installed on the 1st gimbal port.

In-Flight Editing

Enter the mission library, select a created flight route for editing or viewing.



1. Tap to perform the current mission.
2. Tap to enter the In-Flight Editing view. The edits will be merged into the original route after they are saved.
3. Tap to enter the Set Waypoints page.
4. Tap to enter the AI Spot-check page.

UAV Health Management System (HMS)

When using an aircraft firmware version of v03.00.01.01 or later, HMS is updated to include DJI Maintenance Program, DJI Care Enterprise, Firmware Update, Manage Logs, Error Records, and error displays



1. Error displays

Check the current health status of each module of the aircraft, and the user can solve the corresponding abnormality according to the prompt.

Color	Status
Green	Normal
Orange	Caution
Red	Warning

2. Error records


Records of historical data of the aircraft are used to confirm whether there are any serious problems during the use of the aircraft. This makes it convenient for the user to evaluate the stability of the aircraft and assist after-sales when conducting an analysis.

3. Manage logs

Maintain recent aircraft logs. This data can be is used to identify aircraft abnormalities and enhance aircraft management. Users can directly send the logs to the DJI after-sales team through the App.

4. Maintenance instructions

Users can view historical flight data and the maintenance manual, then be able to determine whether maintenance is required.

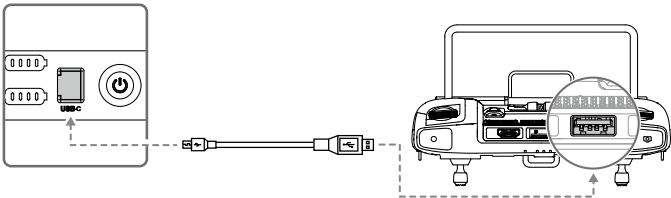
-  The following updates are in effect when using an aircraft firmware version of v03.00.01.01 or later:
1. Added DJI Care Enterprise and DJI Maintenance Program.

2. Error Records are available for the battery and battery station (battery station must be connected to the remote controller via the USB-C cable).

3. Manage Logs available for the battery and battery station (battery station must be connected to the remote controller via the USB-C cable).

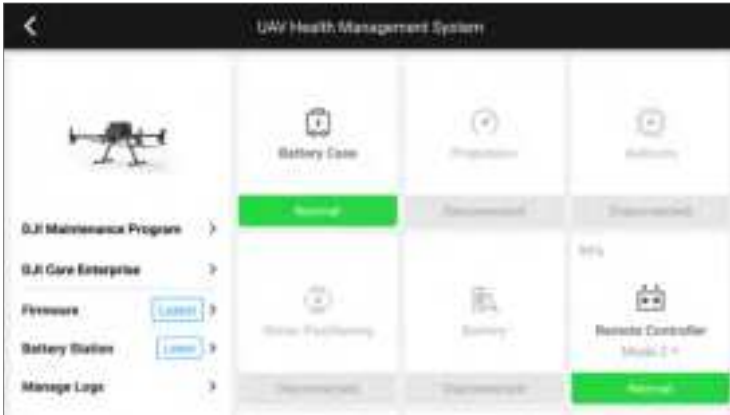
Intelligent Battery Station Status Query and Log Management

To check the battery station status in HMS in DJI Pilot 2, set the remote controller to USB External Device in Quick Settings and connect the battery station to the remote controller via a UBS-C cable. Users can also update the battery station firmware and export battery logs in batches.



Checking the Battery Station Status

Run DJI Pilot 2, tap HMS to enter, and check the battery station status. If a warning appears, tap it for more detailed information and follow the prompts to resolve the issue.



Exporting Battery Station Logs

1. Run DJI Pilot 2, tap HMS, then Manage Logs, and select Battery Station Logs.
2. Check the logs of the battery station and all batteries.
3. Tap Upload Log and follow the prompts to upload the selected logs.

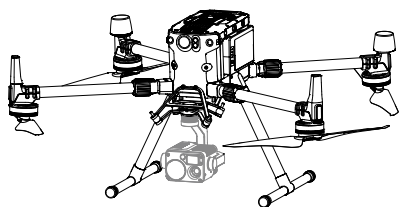
DJI FlightHub 2

Paired with the DJI FlightHub 2 cloud platform, the aircraft offers integrated air and ground handling with efficient operation management. The combined features of the two products makes a wide range of real-time operations possible, including cloud mapping, point, line, and area annotation, flight information syncing, live viewing, media file upload or download, mutual access to statuses of multiple aircraft, mission flight syncing, and real-time control from mobile devices.

For more details, refer to the DJI FlightHub 2 User Guide which is available to download from the official DJI website <https://www.dji.com/flighthub-2/downloads>.

Flight

This section describes safe flight practices and flight restrictions.



Flight

Once pre-flight preparation is complete, it is recommended to use the flight simulator in DJI Assistant 2 (Enterprise Series) to hone your flying skills and practice flying safely. Ensure that all flights are carried out in an open area. It is important to understand basic flight guidelines for the safety of both you and those around you. Refer to the Disclaimer and Safety Guidelines for more information.

Flight Environment Requirements

1. DO NOT use the aircraft in severe weather conditions such as where wind speeds exceed 12 m/s. When flying in rain, refer to the flight requirements listed in the IP45 Protection Rating section.
2. When flying in open areas, tall and large metal structures may affect the accuracy of the onboard compass and GNSS system. Make sure to operate the aircraft by following the prompts in the app.
3. Avoid obstacles, crowds, high voltage power lines, trees, and bodies of water.
4. Minimize interference by avoiding areas with elevated levels of electromagnetism, including base stations and radio transmission towers.
5. Aircraft and battery performance are subject to environmental factors such as air density and temperature. Be very careful when flying at high altitudes, as battery and aircraft performance may be affected.
6. The compass and GNSS will not work in Polar Regions. Fly carefully.

GEO (Geospatial Environment Online) System

Introduction

DJI's Geospatial Environment Online (GEO) System is a global information system committed to providing real-time airspace information within the scope of international laws and regulations. GEO provides flight information, flight times and location information to assist Unmanned Aerial Vehicle (UAV) users in making the best decisions related to their personal UAV use. It also includes a unique Regional Flight Restrictions feature which provides real-time flight safety and restriction updates and blocks UAVs from flying in restricted airspace. While safety and obeying air traffic control laws is a paramount concern, DJI recognizes the need for exceptions to be made under special circumstances. To meet this need, GEO also includes an Unlocking feature that enables users to unlock flights within restricted areas. Prior to making their flight, users must submit an unlock request based on the current level of restrictions in their area.

GEO Zones

DJI's GEO System designates safe flight locations, provides risk levels and safety concerns for individual flights, and offers restricted airspace information, which can be viewed by users in real time on the DJI Pilot 2 app. The locations designated by GEO are called GEO Zones. GEO Zones are specific flight areas that are categorized by flight regulations and restrictions. GEO Zones that prohibit flight are implemented around locations such as airports, power plants, and prisons. They can also be temporarily implemented around major stadium events, forest fires, or other emergency situations. Certain GEO Zones do not prohibit flight but do trigger warnings informing users of potential risks. All restricted flight areas are referred to as GEO Zones, and are further divided into Warning Zones, Enhanced Warning Zones, Authorization Zones, Altitude Zones, and Restricted Zones. By default, GEO limits flights into or taking off within zones that may result in safety or security concerns. There is a GEO Zone Map, which contains comprehensive global GEO Zone information on the official DJI website: <https://www.dji.com/flysafe/geo-map>.

The GEO System is for advisory purposes only. Individual users are responsible for checking official sources and determining which laws or regulations may apply to their flight. In some instances, DJI has selected widely-recommended general parameters (such as a 1.5-mile radius at airports) without making any determination as to whether these guidelines match regulations that apply to specific users.

GEO Zone Definitions

Warning Zones: Users receive a warning message with information relevant to their flight.

Enhanced Warning Zones: Users receive a prompt from the GEO System at the time of flight. They are required to submit an unlock request to fly in the zone, for which they must confirm their flight path.

Authorization Zones: Users receive a warning message and the flight is prohibited by default. Authorization Zones can be unlocked by authorized users with a DJI-verified account. Self-Unlocking privileges must be applied for online.

Altitude Zones: Flights are limited to a specific altitude.

Restricted Zones: Flights are completely prohibited. UAVs cannot fly in these zones. If you have obtained permission to fly in a Restricted Zone, please go to <https://www.dji.com/flysafe> or contact flysafe@dji.com to unlock the zone.

DJI GEO Zones aim to ensure the user's flight safety, but it cannot be guaranteed to be in full compliance with local laws and regulations. Users should check local laws, regulations, and regulatory requirements before each flight and are responsible for the flight safety.

All intelligent flight features will be affected when DJI aircraft fly nearby or into GEO Zones. Such interference includes, but is not limited to, decreased speed, takeoff failure, and flight termination.

Flight Restrictions

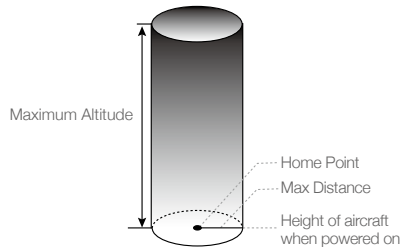
Introduction

UAV operators should abide by all flight regulations established by the relevant government and regulatory agencies, including the ICAO and the FAA. For safety reasons, flights are restricted by default, which helps users operate DJI products safely and legally. Flight restrictions include altitude and distance limits, and GEO Zones.

When Global Navigation System Service (GNSS) is available, altitude limits, distance limits, and GEO Zones are all taken into account to ensure flight safety. Otherwise, only altitude limits take effect.

Maximum Altitude & Radius Restrictions

Maximum flight altitude restricts an aircraft's flight altitude, while maximum radius restricts its distance. These limits can be set using the DJI Pilot 2 app.



Strong GNSS Signal		
Restriction	Description	DJI Pilot 2 app Message
Max Altitude	Aircraft's altitude cannot exceed the specified value.	Maximum Flight Altitude reached. Adjust your altitude using FC Settings if required.
Max Radius	Flight distance cannot exceed the specified value.	Maximum Flight Distance reached. Adjust your distance using FC Settings if required.


Weak GNSS Signal		
Restriction	Description	DJI Pilot 2 app Message
Max Altitude	When the GNSS signal is weak, namely when the GNSS icon is yellow or red, and the ambient light is too dark, the max altitude is 3 m (9.84 ft). The max altitude is the relative altitude measured by the infrared sensor. When the GNSS signal is weak but the ambient light is sufficient, the max altitude is 30 m (98.43 ft).	Maximum Flight Altitude reached. Adjust your altitude using MC Settings if required.
Max Radius	No limit.	N/A



- When an aircraft exceeds a specified limit, the pilot can still control the aircraft but it will be unable to fly any farther.
- For safety reasons, DO NOT fly near airports, highways, railway stations, railway lines, city centers, or other sensitive areas. Only fly aircraft in areas that are within your direct line of sight.

GEO Zone Flight Restrictions

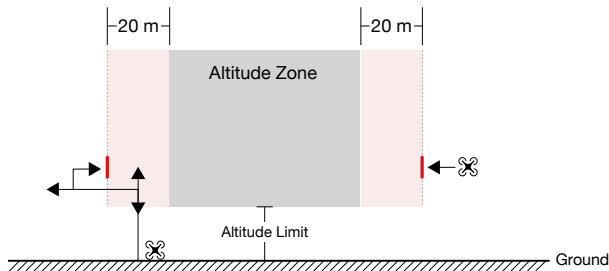
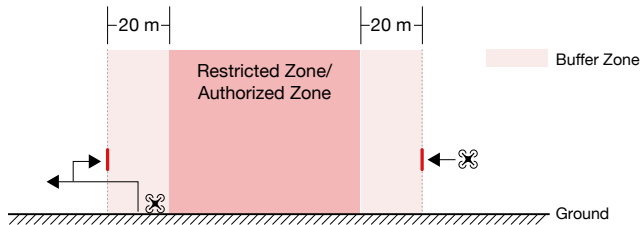
GEO Zone	Description
Restricted Zone	Takeoff: The aircraft's motors cannot be started.
	In-flight: When GNSS signal changes from weak to strong, DJI Pilot 2 starts a countdown. Once the countdown is over, the aircraft immediately lands in semi-automatic descent mode and turns off its motors after landing.
	In-flight: When the aircraft approaches the boundary of the Restricted Zone, it automatically decelerates and hovers.
Authorization Zone	Takeoff: The aircraft's motors cannot be started. Takeoff is only available after submitting an unlock request with the user's phone number.
	In-flight: When GNSS signal changes from weak to strong, DJI Pilot 2 starts a countdown. Once the countdown is over, the aircraft immediately lands in semi-automatic descent mode and turns off its motors after landing.
Enhanced Warning Zone	The aircraft flies normally but the user is required to confirm the flight path.
Warning Zone	The aircraft flies normally but the user receives warning messages.
Altitude Zone	When GNSS signal is strong, the aircraft cannot exceed the specified altitude.
	In-flight: When GNSS signal changes from weak to strong, if the aircraft is higher than the height limit, the aircraft will descend and hover below the altitude limit.
	When the GNSS signal is strong, the aircraft approaches the boundary of the Altitude Zone. If it is higher than the altitude limit, the aircraft decelerates and hovers in place.

 Semi-Automatic Descent: All stick commands are available except the throttle command and RTH button during descent and landing. The aircraft's motors turn off automatically after landing. It is recommended to fly the aircraft to a safe location to land immediately.

Buffer Zone

Buffer Zones for Restricted Zones/Authorization Zones: To prevent the aircraft from accidentally flying into a Restricted or Authorization Zone, the GEO system creates a buffer zone of about 20 meters wide outside each Restricted and Authorization Zone. As shown in the illustration below, the aircraft can only take off and land in place or fly toward an opposite direction of the Restricted or Authorization Zone when inside the buffer zone, and cannot fly toward the Restricted or Authorization Zone unless an unlocking request has been approved. **The aircraft cannot fly back into the buffer zone after leaving the buffer zone.**

Buffer Zones for Altitude Zones: A buffer zone of about 20 meters wide is established outside each Altitude Zone. As shown in the illustration below, when approaching the buffer zone of an Altitude Zone in a horizontal direction, the aircraft will gradually reduce its flight speed and hover outside the buffer zone. When approaching the buffer zone from underneath in a vertical direction, the aircraft can ascend and descend in altitude or fly in an opposite direction of the Altitude Zone, but cannot fly toward the Altitude Zone. **The aircraft cannot fly back into the buffer zone in a horizontal direction after leaving the buffer zone.**



GEO Unlocking

Due to differing laws and regulations between countries and regions, and differing flight restrictions between GEO Zones, DJI provides users with two methods for unlocking GEO Zones: Self-Unlocking and Custom Unlocking.

Self-Unlocking is used for Authorization Zones, where the user is required to submit an unlock request by authenticating their phone number for a registered DJI account. This feature is only available in certain countries. Users can choose whether to submit their unlock request via the website at <https://www.dji.com/flysafe> (Scheduled Self-Unlocking), or through the DJI Pilot 2 app (Live Self-Unlocking).

Custom Unlocking is based on special requirements for individual users. It sets a special flight area that users can unlock by providing flight permission files according to their specific GEO Zone and other requirements. It is available in all countries and can be applied for on the website: <https://www.dji.com/flysafe>.

For more information about unlocking, please visit <https://www.dji.com/flysafe> or contact flysafe@dji.com.

Preflight Checklist

1. Make sure the remote controller and the aircraft batteries are fully charged.
2. Make sure the arms are unfolded and the arm sleeves, the landing gears, and the batteries are locked to the indicated positions.
3. Make sure the motors and the propellers are securely mounted so the motors can rotate smoothly and the propellers are not damaged or deformed.
4. Make sure the firmware of all devices are updated to the latest official version.
5. Make sure the failsafe setting satisfies the requirements of the pilot. It is strongly recommended to set the failsafe setting as return to home.
6. Set an appropriate altitude for return to home according to the flight environment to ensure a safe flight when returning to the home point.
7. Make sure that the pilot is familiar with and comfortable using the control stick mode.
8. Make sure obstacle avoidance is enabled and the obstacle avoidance setting is appropriate.
9. Divide the airspace for flight when multiple aircraft are operating simultaneously in order to avoid collision mid-air.

Calibrating the Compass

Only calibrate the compass when the DJI Pilot 2 app or the status indicator prompts you to do so. Observe the following rules when calibrating your compass:

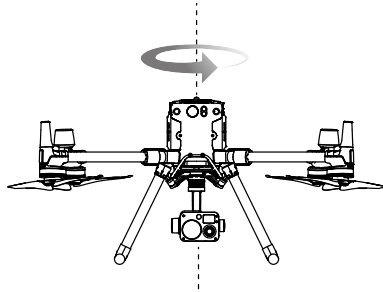


- DO NOT calibrate your compass where there is a chance of strong magnetic interference, such as near magnets, parking structures, or steel reinforcements underground.
- DO NOT carry ferromagnetic materials with you during calibration such as cellular phones.
- The DJI Pilot 2 app will notify you if the compass is affected by strong interference after calibration is complete. Follow the prompts to resolve the compass issue.

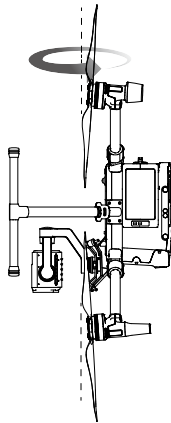
Calibration Procedures

Choose an open area to carry out the following procedures.

1. Tap the Aircraft Status Bar in the app and select Calibrate, then follow the on-screen instructions.
2. Hold the aircraft horizontally and rotate it 360 degrees. The Aircraft Status Indicators will go solid green.



3. Hold the aircraft vertically, with the nose pointing downward, and rotate it 360 degrees around the center axis. Re-calibrate the aircraft if the aircraft status indicators blink red.



If the Aircraft Status Indicator blinks red and yellow after the calibration procedure, move your aircraft to a different location and try again.



- DO NOT calibrate the compass near metal objects such as a metal bridge, cars, scaffolding.
- If the aircraft status indicators are blinking red and yellow alternately after placing the aircraft on the ground, the compass has detected magnetic interference. Please change your location.

Starting/Stopping the Motors

Starting Motors

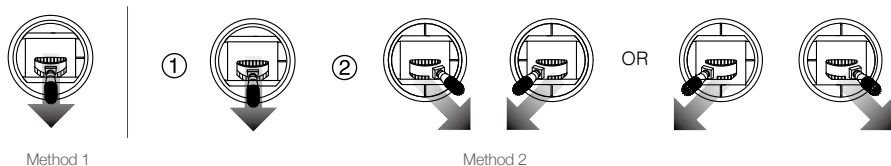
The Combination Stick Command (CSC) is used to start the motors. Push both sticks to the bottom inner or outer corners to start the motors. Once the motors start spinning, release both sticks simultaneously.



Stopping the Motors

There are two ways to stop the motors:

1. When the aircraft has landed, push and hold the left stick down. The motors will stop after three seconds. (Recommended).
2. When aircraft has landed, push the left stick down ①, then conduct the same CSC that was used to start the motors, as shown above ②. Motors will stop immediately. Release both sticks once motors stop.



Emergency Propeller Stop

The Combination Stick Command (CSC) can be used to execute the emergency propeller stop once the flight controller detects critical error during flight.



Flight Test

Takeoff/Landing Procedures

1. Place the aircraft in an open, flat area with the battery level indicators facing towards you.
2. Turn on the remote controller, then turn on the aircraft.
3. Launch DJI Pilot 2 and enter the Camera View.
4. Wait until the Aircraft Status Indicators blink green (with single point positioning) or blink green and blue alternately (RTK).
5. If the Intelligent Flight Battery temperature is low, use the self-heating function to heat the batteries to ensure the temperature is suitable for the aircraft to take off.
6. Turn on the motors using CSC and push the left stick up slowly to take off.
7. To land, hover over a level surface and gently pull down on the left stick to descend.

8. After landing, execute the CSC command or hold the left stick at its lowest position until the motors stop.
9. Turn off the Intelligent Flight Battery first, then the remote controller.



- When the Aircraft Status Indicators blink yellow rapidly during flight, the aircraft has entered Failsafe mode.
 - A low battery level warning is indicated by the Aircraft Status Indicators blinking red slowly or rapidly during flight.
 - Watch our video tutorials for more flight information.
-

Three-propeller Emergency Landing

During flight, if the aircraft lacks one lift output (e.g. propulsion system failure of a motor), it will automatically switch to the Three-propeller Emergency Landing Mode. The flight controller will try to maintain the stability and controllability of attitude and velocity, and make the aircraft automatically descent in this mode. This mode enables a user to land the aircraft onto a safe zone by controlling the aircraft, helps to reduce the chance for the aircraft and payload to drop, and damage the people and property on the ground.

When the aircraft enters the Three-propeller Emergency Landing Mode, the remote controller will alert the user by vibrating. At this time, the aircraft will enter rapid spin and automatically descend by default. The stick that controls back and forth movement will be adjusted to control the north-south movement and the stick that controls the left and right movement will be adjusted to control the west-east movement. The user can operate the sticks to move the aircraft to the appropriate landing area as soon as possible. When the aircraft reaches near to the ground, user can use the Emergency propeller stop to land the aircraft to minimize the drop loss caused by the aircraft spin.



- Three-propeller Emergency Landing requires that the takeoff weight of the aircraft to be less than 7.7 kg and it should work in open space with the flight height that exceeds 10 m.
 - Once such a failure occurs, please move the aircraft immediately away from people and valuables, and land on a level and soft surface (e.g. grass) to reduce damaging the aircraft.
 - If a propeller is damaged but the motor is still working normally, the aircraft will not enter the Three-propeller Emergency Landing Mode.
 - Three-propeller Emergency Landing is only used as an emergency protection function when the propulsion system fails. Please do not actively trigger it.
 - Make sure that all firmware is up-to-date.
 - After landing, contact DJI support for the propulsion system maintenance as soon as possible.
-

Appendix

Appendix

Specifications

Aircraft	
Dimensions (Unfolded, propellers excluded)	810×670×430 mm (L×W×H)
Dimensions (Folded)	430×420×430 mm (L×W×H)
Diagonal Wheelbase	895 mm
Weight (Batteries excluded)	3600 g
Max Payload	2700 g
Max Takeoff Weight	9000 g
Operating Frequency	2.400 - 2.4835 GHz; 5.725 - 5.850 GHz
Transmitter Power (EIRP)	2.400 - 2.4835 GHz: 29.5 dBm (FCC); 18.5 dBm (CE); 18.5 dBm (SRRC); 18.5 dBm (MIC) 5.725 - 5.850 GHz: 28.5 dBm (FCC); 12.5 dBm (CE); 28.5 dBm (SRRC)
Hovering Accuracy (Windless or breezy)	Vertical: ±0.1 m (Vision System enabled) ±0.5 m (P-mode with GPS) ±0.1 m (D-RTK) Horizontal: ±0.3 m (Vision System enabled) ±1.5 m (P-mode with GPS) ±0.1 m (D-RTK)
Max Angular Velocity	Pitch: 300°/s, Yaw: 100°/s
Max Pitch Angle	30° (P-mode and Forward Vision System enabled: 25°)
Max Ascent Speed	6 m/s
Max Descent Speed (vertical)	5 m/s
Max Descent Speed (tilt)	7 m/s
Max Horizontal Speed	23 m/s
Max Service Ceiling Above Sea Level	5000 m (with 2110 Propellers, and takeoff weight ≤7 kg) / 7000 m (with 2195 High Altitude Low Noise Propellers, and takeoff weight ≤7 kg)
Max Wind Resistance	12 m/s
Max Forward Flight Time (Sea level)	45 minutes (Load weight 700 g)
Max Hover Time (Sea level)	43 minutes (Load weight 700 g)
Motor Model	6009
Propeller Model	2110
Supported DJI Gimbals	Zenmuse XT2 / Zenmuse XT S/ Zenmuse Z30 / Zenmuse H20 / Zenmuse H20T / Zenmuse P1 / Zenmuse L1 / Zenmuse H20N
Supported Gimbal Configurations	Dual Downward Gimbals, Single Upward Gimbal, Single Downward Gimbal, Single Downward Gimbal+Single Upward Gimbal, Dual Downward Gimbals+Single Upward Gimbal

Other Supported DJI Products	CSM Radar, Manifold 2
Ingress Protection Rating	IP45
GNSS	GPS+GLONASS+BeiDou+Galileo
Operating Temperature	-20° to 50°C (-4° to 122° F)
Smart Controller	
OcuSync Enterprise Operation Frequency Range	2.400 - 2.4835 GHz; 5.725 - 5.850 GHz*
Max Transmission Distance (Unobstructed, free of interference)	NCC / FCC: 15 km CE / MIC: 8 km SRRC: 8 km
Transmitter Power (EIRP)	2.400 - 2.4835 GHz: 29.5 dBm (FCC); 18.5 dBm (CE) ; 18.5 dBm (SRRC); 18.5 dBm (MIC) 5.725 - 5.850 GHz: 28.5 dBm (FCC); 12.5 dBm (CE); 20.5 dBm (SRRC)
External Battery	Name: WB37 Intelligent Battery Capacity: 4920 mAh; Voltage: 7.6 V Battery Type: LiPo; Energy: 37.39 Wh Charge Time (Using BS60 Intelligent Battery Station): 70 min (15° to 45° C); 130 min (0° to 15° C)
Built-in Battery	Battery Type: 18650 Li-ion (5000 mAh @ 7.2 V) Charge Type : Supports USB charger rated 12 V / 2 A Rated Power: 17 W** Charge Time: 2 hours and 15 minutes (Using a USB charger rated 12 V / 2 V)
Working Time	Built-in Battery: Approx. 2.5 hours Built-in Battery + External Battery: Approx. 4.5 hours
Power Supply Voltage / Current (USB-A port)	5 V / 1.5 A
Operation Temperature Range	-20° to 40° C (-4° to 104° F)
Storage Capacity	Rom: 32 GB + scalable with microSD
Vision System	
Obstacle Sensing Range	Forward / Backward / Left / Right: 0.7 - 40 m Upward / Downward: 0.6 - 30 m
FOV	Forward / Backward / Downward: 65°(H), 50°(V) Left / Right / Upward: 75°(H), 60°(V)
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Infrared Sensing System	
Obstacle Sensing Range	0.1 - 8 m
FOV	30°
Operating Environment	Large, diffuse, and reflective obstacles (reflectivity >10%)

Intelligent Flight Battery

Capacity	5935 mAh
Voltage	52.8 V
Battery Type	LiPo 12S
Energy	274 Wh
Net Weight (Single One)	Approx. 1.35 kg
Operating Temperature	-4° to 122°F (-20° to 50°C)
Storage Temperature	71.6° to 86°F (22° to 30°C)
Charging Temperature	41° to 104°F (5° to 40°C)
Max Charging Power	470 W

Auxiliary Light

Effective Illumination Distance	5 m
Illumination Mode	60 Hz, solid on

FPV Camera

Resolution	960p
FOV	145°
Frame rate	30fps

* Local regulations in some countries prohibit the use of the 5.8 GHz and 5.2 GHz frequencies and in some regions the 5.2 GHz frequency band is only allowed for indoor use.

** The Smart Controller will supply power for the mobile device installed, which may affect the above-mentioned specifications.

Firmware Update

Use the DJI Pilot 2 app or the DJI Assistant 2 (Enterprise Series) to update the remote controller, aircraft and other connected DJI devices.

For the Zenmuse Z30, XT S and XT2, only aircraft firmware can be updated via DJI Assistant 2 (Enterprise Series) or the DJI Pilot 2 app. Gimbal firmware must be updated via a microSD card.

The firmware of the Zenmuse P1, L1 or H20N cannot be updated using DJI Assistant 2 (Enterprise Series). If the firmware of the aircraft is updated using DJI Assistant 2 (Enterprise Series) while the Zenmuse P1 is attached, only the aircraft firmware will be updated. Use an SD card or DJI Pilot 2 to update the firmware of Zenmuse P1.

The CSM Radar is not supported when using an aircraft firmware version of v01.00.0214 or earlier. Update the aircraft firmware to use the radar. Make sure the CSM Radar is correctly mounted to the aircraft and follow the prompts in the app to update the CSM Radar firmware.

Using DJI Pilot 2

1. Ensure that there is good connection between the aircraft and remote controller and other DJI devices used with the aircraft, and that all the devices are powered on.
2. Go to the app. A prompt will appear if new firmware is available for download. Follow the on-screen instructions to update the firmware. Make sure to connect to the Internet when downloading the firmware.



The firmware of the following devices can be updated via DJI Pilot 2 when connected to the aircraft (The aircraft firmware will also be updated simultaneously):

Zenmuse P1, Zenmuse H20, Zenmuse H20T, Zenmuse H20N, DJI ENTERPRISE X-Port, DJI CSM Radar


Offline Update

Offline Update is available when using DJI Pilot 2. An offline firmware package can be downloaded from the DJI official website to an external storage device such as an SD card or U disk. Run DJI Pilot 2, tap HMS, and then Firmware Update. Tap Offline Update to select the firmware package of the remote controller, aircraft, payload, or battery station from the external storage device and tap Update All to update.

Using DJI Assistant 2 (Enterprise Series)

For the remote controller, M300 RTK aircraft, H20 series and X-Port payload, users can connect each device to the software and then run a firmware update to update firmware on the devices accordingly.

Remote Controller Firmware Update

1. Power on the remote controller and aircraft. Connect the remote controller to a PC with a USB cable with dual A-port.
2. Tap  to set as USB data export mode in the remote controller's Quick Settings.
3. Click the corresponding device name and then the firmware update tag.
4. Select the firmware version required. Make sure to connect to the Internet when downloading the firmware.
5. Restart the device after the firmware update is complete.

Aircraft Firmware Update

1. Power on the aircraft. Connect the aircraft to a PC with a Type-C USB cable.
2. Run the DJI Assistant 2. Click the corresponding device name and then the firmware update tag.
3. Select the firmware version required. Make sure to connect to the Internet when downloading the firmware.
4. Restart the device after the firmware update is complete.



CSM Radar firmware updates are included with aircraft firmware updates.

H20 series Firmware Update

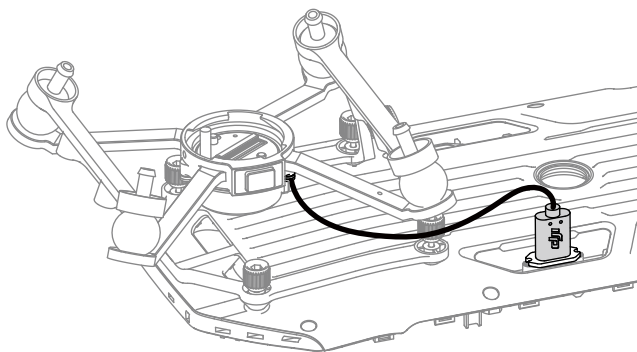
1. Install the H20 series payload onto the aircraft. Power on the aircraft. Connect the aircraft to a PC with a Type-C USB cable.
2. Run the DJI Assistant 2. Click the corresponding device name and then the H20 series firmware update tag.
3. Select the firmware version required. Make sure to connect to the Internet when downloading the firmware.
4. Restart the device after the firmware update is complete.



- The battery firmware is included in the aircraft firmware. Be sure to update all the batteries' firmware.
 - The aircraft battery level should be above 25% and the remote controller battery level should be above 50% for the firmware update process.
 - Make sure all the devices are connected normally during update.
 - It is normal that the gimbal will go limp, the aircraft status indicator blinks abnormally when the aircraft reboots. Wait patiently until the update is complete.
 - Make sure to keep the aircraft away from people and animals during firmware update, system calibration and parameter setting.
 - Be sure to update the firmware to the latest version to ensure flight safety.
 - After the firmware update is completed, the remote controller and the aircraft may be disconnected. If necessary, re-link them.
-

Using the Upward Gimbal Connector

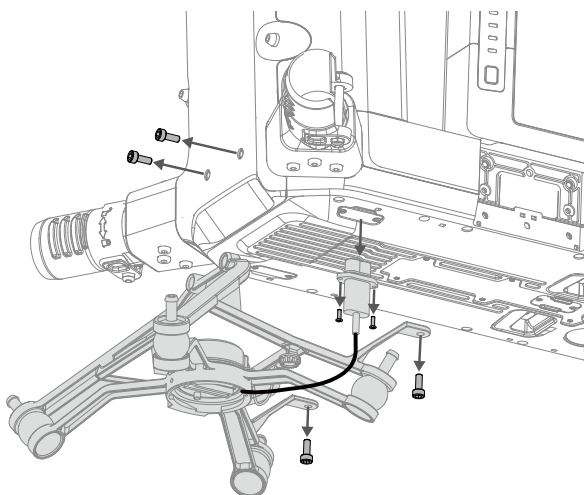
The Matrice 300 RTK Upward Gimbal Connector is used to mount a compatible payload to the top of the Matrice 300 RTK aircraft. Its design gives it an IP44 Ingress Protection (only when equipped with a waterproof payload), in accordance with the global IEC 60529 standard.



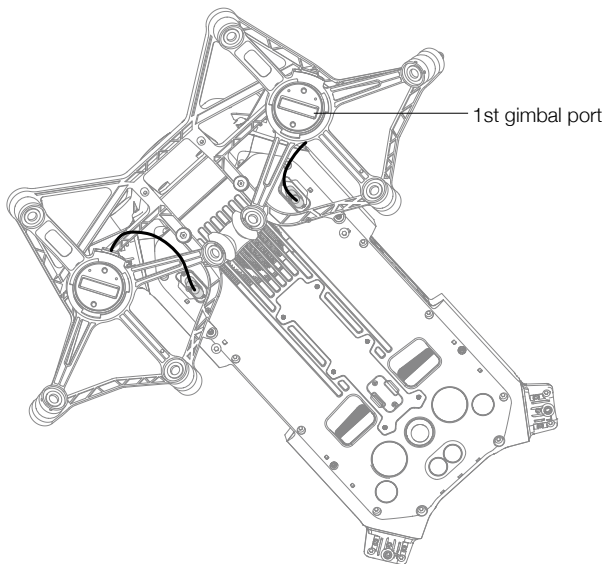
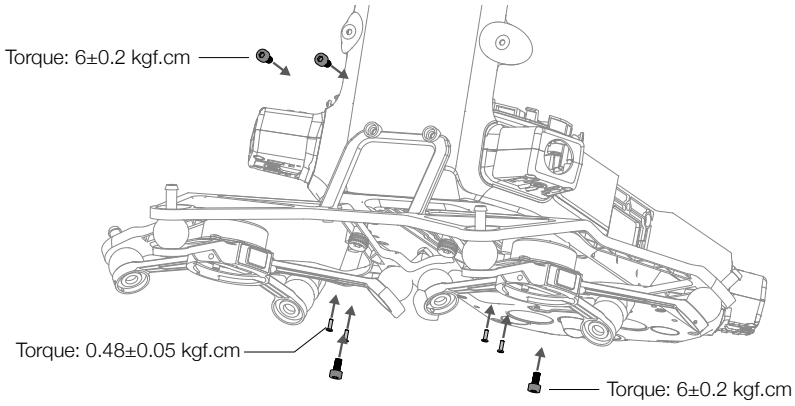
Using the Dual Gimbal Connector

The Matrice 300 RTK Dual Gimbal Connector is used to mount a compatible payload to the bottom of the Matrice 300 RTK aircraft. Its design gives it an IP44 Ingress Protection (only when equipped with a waterproof payload), in accordance with the global IEC 60529 standard.

1. Remove the single downward gimbal connector.



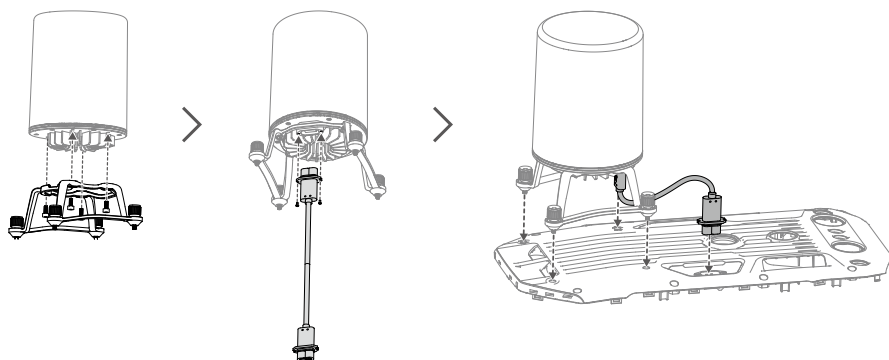
2. Attach the Dual Gimbal Connector, and connect the cables.



Using the CSM Radar

Installing and Connecting

CSM Radar can be used with M300 RTK. Follow the steps below to install and connect it.

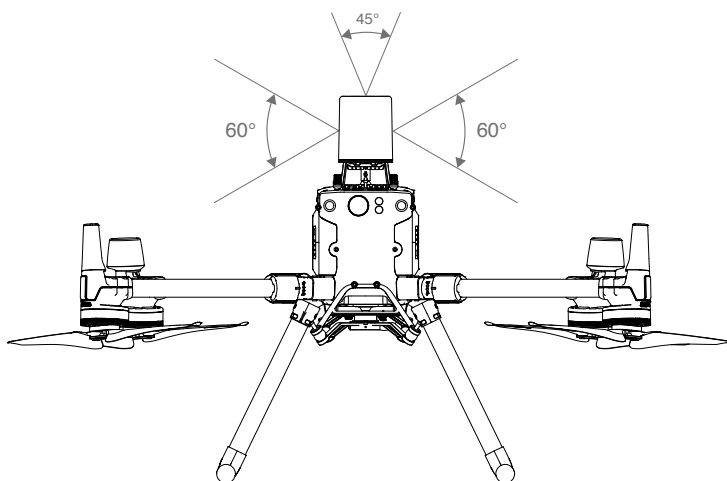


Using

For an added safety measure, a Circular Scanning Millimeter-Wave (CSM) Radar with a detection range between 1.5 to 30 m can be mounted on top of the aircraft.

Detection Range

Detection angle: 360° in horizontal direction, 60° in vertical direction, and 45° in upper direction.
Detection distance: 1.5-30 m.





- Note that the aircraft cannot sense obstacles that are not within the detection range. Fly with caution.
- The effective detection distance varies depending on the size and material of the obstacle. For example, when sensing strong reflective objects (such as buildings), the effective detection distance is around 30 m. When sensing weak reflective objects (such as dry tree branches), the distance is around 15 m. Obstacle sensing may malfunction or be invalid in areas outside of the effective detection distance.

Obstacle Avoidance Function Usage

The radar obstacle avoidance function should be enabled in the DJI Pilot 2 app. Set the aircraft safety distance (recommended to be greater than 2.5 meters) in app. Maintain a flight speed less than 10 m/s when the radar module is in use. Flying higher than 4 meters is recommended for better obstacle avoidance performance.



- DO NOT touch or let your hands or body come in contact with the metal parts of the radar module when powering on or immediately after flight as they may be hot.
- In Manual operation mode, users have complete control of the aircraft. Pay attention to the flying speed and direction when operating. Be aware of the surrounding environment and avoid the blind spots of the radar module.
- If another device is installed on the aircraft (such as Manifold 2), please avoid blocking the radar FOV. If the radar FOV is blocked, the obstacle avoidance performance of the radar may decrease. Please fly with caution.
- Obstacle Avoidance is disabled in Attitude mode.
- Maintain full control of the aircraft at all times and DO NOT rely on the radar module and DJI Pilot 2 app. Keep the aircraft within VLOS at all times. Use your discretion to operate the aircraft manually to avoid obstacles.
- The radar modules sensitivity can be reduced when operating several radar equipped aircraft within a short distance from each other. Fly with caution.
- Before use, make sure that the radar module is clean and the outer protective cover is not cracked, chipped, sunken, or misshapen.
- DO NOT attempt to disassemble any part of the radar module that has already been mounted prior to shipping.
- The radar module is a precision instrument. DO NOT squeeze, tap, or hit the radar module.



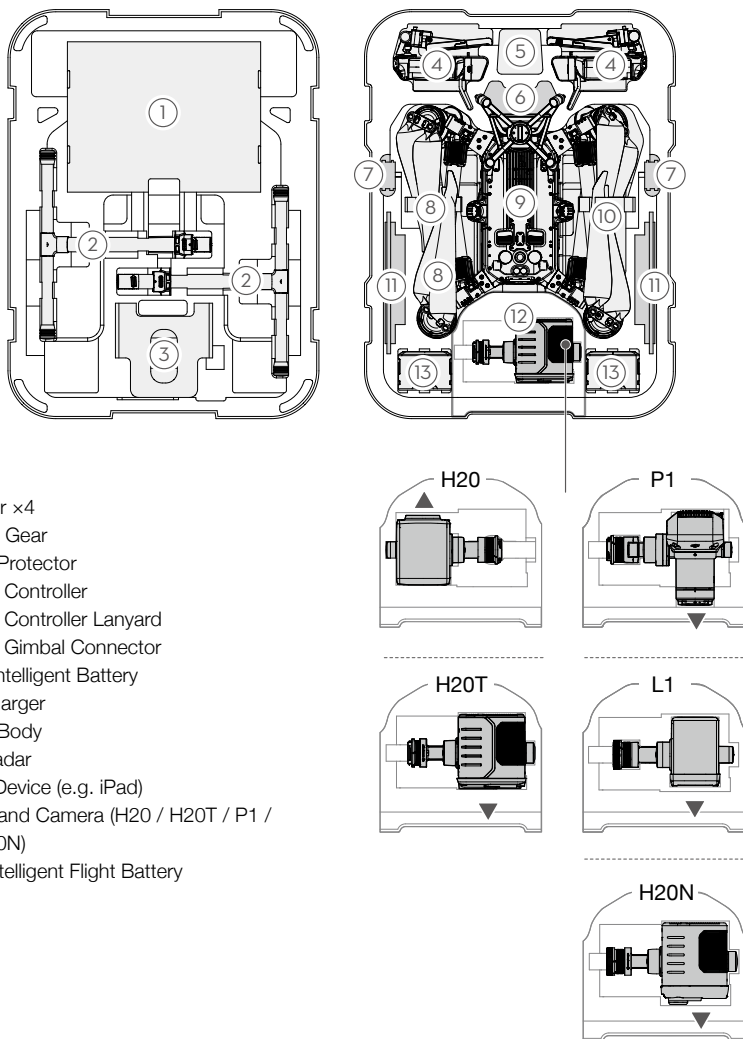
- If the radar module frequently detects obstacles incorrectly, check to make sure the mounting bracket and the aircraft landing gear are properly secured. If the radar module still does not work, contact DJI Support or a DJI authorized dealer.
- Keep the protective cover of the radar module clean. Clean the surface with a soft damp cloth and air dry before using again.

Specifications

Model	DR2424R
Operating Frequency	24.05-24.25 GHz
Power Consumption	12 W
Transmitter Power (EIRP)	SRRC: <13 dBm NCC/MIC/KCC/CE/FCC: <20 dBm
IP Rating	IP45
Dimensions	75×75×105.4 mm
Weight (without mounting bracket and cables)	336 g
Operating Temperature	-20° to 50°C (-4° to 122° F)

Carrying Case Description

This diagram is intended to illustrate how to place the M300 RTK parts and components. In-the-box items are subject to the contents received.



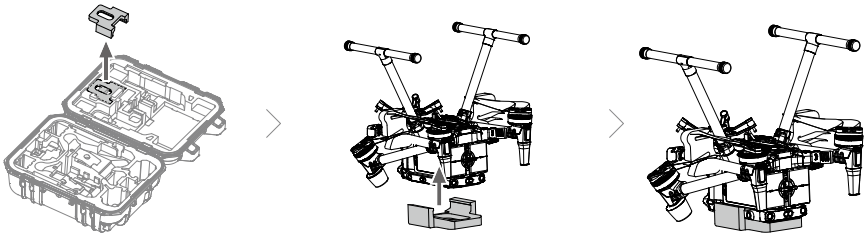
1. Propeller x4
2. Landing Gear
3. Aircraft Protector
4. Remote Controller
5. Remote Controller Lanyard
6. Upward Gimbal Connector
7. WB37 Intelligent Battery
8. USB Charger
9. Aircraft Body
10. CSM Radar
11. Mobile Device (e.g. iPad)
12. Gimbal and Camera (H20 / H20T / P1 / L1 / H20N)
13. TB60 Intelligent Flight Battery



Please note that the sleeves of the landing gears should be put in the way shown in the diagram, to avoid damage on the propellers when the carrying case is closed.

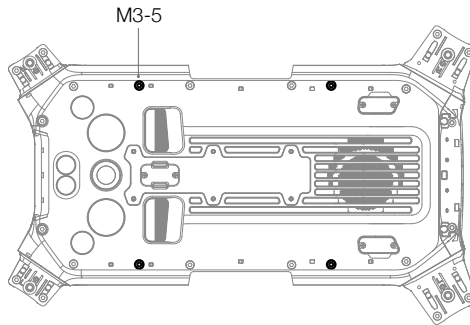
Using the Aircraft Cradle

Once the aircraft needs to be operated upside down, make sure to use aircraft cradle for protection.



Extended Screw Holes Description

Use the specified screw to avoid damage to the thread of the screw hole. Make sure that the accessories are firmly installed.



FAR Remote ID Compliance Information

The aircraft complies with the requirements of 14 CFR Part 89:

- The aircraft automatically initiates a pre-flight self-test (PFST) of the Remote ID system before takeoff and cannot take off if it does not pass the PFST ^[1]. The results of the PFST of the Remote ID system can be viewed in a DJI flight control app such as DJI Pilot 2.
- The aircraft monitors the Remote ID system functionality from pre-flight to shut down. If the Remote ID system malfunctions or has a failure, an alarm will be displayed in a DJI flight control app such as DJI Pilot 2.
- The user shall keep the DJI flight control app running in the foreground and always allow it to obtain the location information of the remote controller.
- Developers who develop third-party applications based on the DJI Mobile SDK shall obtain and display the PFST results and the failure status of the Remote ID system during operation by calling specific APIs ^[2].

[1] The pass criterion for PFST is that the hardware and software of the Remote ID required-data source and transmitter radio in the Remote ID system are functioning properly.

[2] For detailed APIs information, please visit <https://developer.dji.com/mobile-sdk/>

DJI Support

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

This content is subject to change.

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If you have any questions about this document, please contact DJI by sending a message to **DccSupport@dji.com**.

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