

Agras T70P

Quick Start Guide

Overview

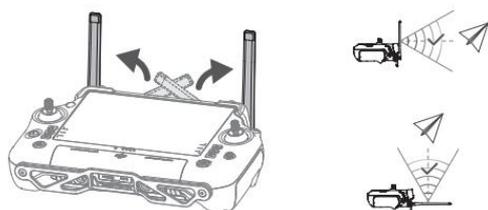
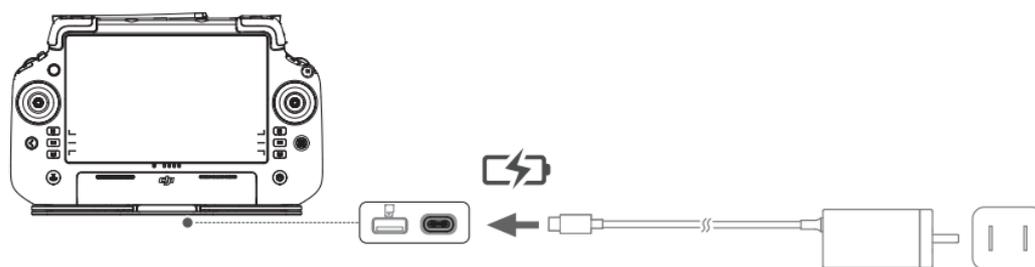


1. Propellers
2. Motors
3. Aircraft Front Indicators (on two front arms)
4. ESCs
5. Aircraft Rear Indicators (on two rear arms)
6. Onboard D-RTK Antennas
7. Forward Phased Array Radar
8. Binocular Fisheye Vision
9. Low-Light Full-Color FPV camera
10. Spotlight
11. External Ocusync Image Transmission Antennas
12. Delivery Pumps
13. Rear Phased Array Radar
14. Landing Gear
15. Intelligent Flight Battery
16. Liquid Level Meter
17. Spray Tank
18. Spray Lance
19. Sprinklers

Preparation

Preparing the Remote Controller

Charge to activate the internal battery of the remote controller before using the first time.



Preparing the Intelligent Flight Battery

Only use official DJI flight batteries. Check the battery level before flying and charge according to the corresponding manual document.

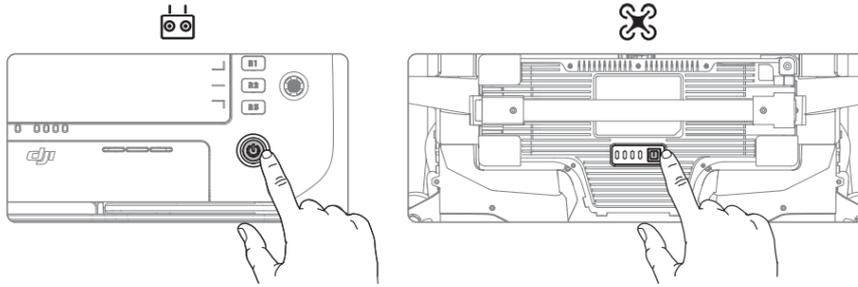
Preparing the Aircraft

- A. Unfold the M1 and M2 arms, and fasten the two arm locks. Avoid pinching fingers.
- B. Unfold the M3 and M4 arms, and fasten the two arm locks. Avoid pinching fingers.
- C. Unfold the propeller blades.
- D. Insert the Intelligent Flight Battery into the aircraft until you hear a click.

	<ul style="list-style-type: none">• Make sure that the battery is firmly inserted into the aircraft. Only insert or remove the battery when the aircraft is powered off.• To remove the battery, press and hold the clamp and lift the battery up.• Fold the M3 and M4 arms followed by the M1 and M2 arms. Otherwise, the arms may be damaged.
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Powering on

Press once to check the battery level. Press and then press and hold to power on/off.



Getting Ready for Takeoff

- A. Place the aircraft on open, flat ground with the rear of the aircraft facing toward you.
- B. Make sure that the propellers are securely mounted, there are no foreign objects in or on the motors and propellers, the propeller blades and arms are unfolded, and the arm locks are firmly fastened.
- C. Make sure that the spray tank and flight battery are firmly in place.
- D. Power on the remote controller, make sure that the DJI Agras app is open, and power on the aircraft. Tap Start in the home screen of the app to enter Operation View. Make sure that the GNSS signals are strong and the screen shows Ready to GO (GNSS) or Ready to GO (RTK). Otherwise, the aircraft cannot take off.

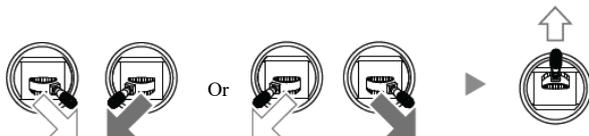
	<p>RTK positioning is recommended. In the app, go to Operation View, tap  > RTK, and select a method for receiving RTK signals.</p>
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Using the T70P

In order for the aircraft to automatically take off and perform an operation, it is recommended to create a plan for a field and select an operation before takeoff. Refer to the Starting Operations section for more information. For other scenarios, take off and land manually as follows.

Starting the Motors

Perform a Combination Stick Command (CSC) and push the throttle stick up to take off.



Throttle Stick (left stick in Mode 2)

Stopping the Motors

Push the throttle stick down until the aircraft lands. When the aircraft has landed, push and hold the throttle stick down. The motors will stop after three seconds.



Throttle Stick (left stick in Mode 2)

Stopping the Motors Mid-Flight

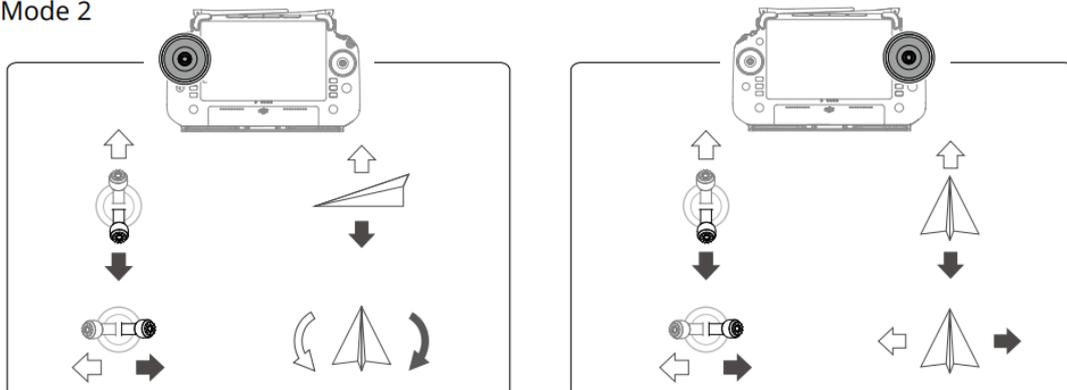
When an emergency situation occurs during flight, press and hold the C1, C2, and flight pause buttons simultaneously for 2 seconds to stop the motors.

	<ul style="list-style-type: none">• Spinning propellers can be dangerous. Stay away from spinning propellers and motors. DO NOT start the motors in confined spaces or where there are people nearby.• Maintain control of the remote controller as long as the motors are running.• After landing, power off the aircraft before turning off the remote controller.• DO NOT stop the motors mid-flight unless in an emergency situation where doing so will reduce the risk of damage or injury.
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Controlling the Aircraft

The control sticks control the aircraft's orientation (pan), forward/backward movement (pitch), altitude (throttle), and left/right movement (roll). The control stick mode determines the function of each control stick movement. Three preprogrammed modes (Mode 1, Mode 2, and Mode 3) are available. The default mode is Mode 2.

Mode 2



Starting Operations

Refer to the user manual for more information about the Route Operation, A-B Route Operation, Manual Operation, and Fruit Tree modes, and on how to use functions such as Connection Routing, Operation Resumption, System Data Protection, and Empty Tank.

	<ul style="list-style-type: none"> • Only take off in open areas and set an appropriate Connection Routing and RTH Altitude according to the operating environment. • An operation can be paused by moving the control stick slightly. The aircraft will hover and record the breakpoint. After that, the aircraft can be controlled manually. Select the operation again to continue. The aircraft will return to the breakpoint automatically and resume the operation. Pay attention to aircraft safety when returning to a breakpoint. • When obstacle bypassing is enabled, the aircraft will circumvent obstacles and return to the flight route if obstacles are detected in Route and Fruit Tree Operation modes • Users can set the action the aircraft will perform after the operation is completed in the app.
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Specifications

Aircraft (Model: 3WWDZ-U70A)	
Operating Frequency	2.4000-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC), <30 dBm (SRRC), <14 dBm (CE)
RTK/GNSS Operating Frequency	RTK: GPS L1/L2, GLONASS L1/L2, BeiDou B1/B2/B3, Galileo E1/E5b, QZSS L1/L2 GNSS: GPS L1, GLONASS L1, BeiDou B1, Galileo E1, QZSS L1
Operating Temperature	0° to 40° C (32° to 104° F)
Phased Array Radar System	
Operating Frequency	24.05-24.25 GHz (NCC/FCC/MIC/KC/CE)
Power Consumption	23 W (forward) 18 W (rear)
Transmitter Power (EIRP)	<20 dBm (NCC/MIC/KC/CE/FCC)

Operating Voltage	DC 15 V
Operating Temperature	0° to 40° C (32° to 104° F)

FCC Compliance Notice

Supplier's Declaration of Conformity

Product name: **AGRAS T70/AGRAS T70P/DJI RC Plus 2**

Model Number: **3WWDZ-U50B/3WWDZ-U70A/TKPL2**

Responsible Party: DJI Research LLC

Responsible Party Address: 17301 Edwards Road, Cerritos, CA 90703

Website: www.dji.com

We, DJI Research LLC, being the responsible party, declares that the above mentioned model was tested to demonstrate complying with all applicable FCC rules and regulations.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

This equipment has been tested and found to comply with the limits for a **Class A** digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information

The aircraft complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure

limits, human proximity to the antenna shall not be less than 20cm during normal operation. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Compliance Notice

CAN ICES-003 (A) / NMB-003(A)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1)This device may not cause interference.(2)This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1)L'appareil ne doit pas produire de brouillage; (2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The aircraft complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.