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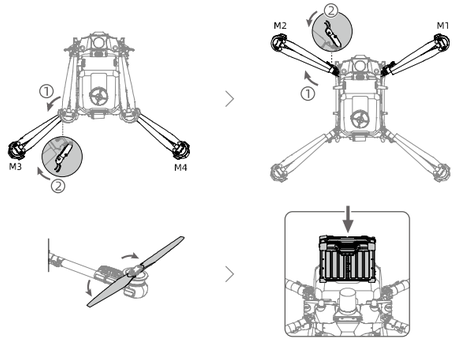

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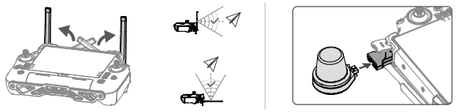

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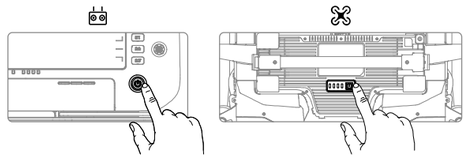
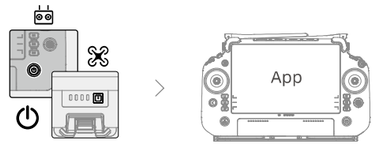


Check battery level: press once.
Power on/off: press and then press and hold.

5



Make sure the remote controller and aircraft is powered on. Open the app and follow the prompts to activate (internet connection is required).

6

Mode 2

① Start/stop motors: perform combination stick command and hold for two seconds.

② Takeoff: push the left control stick (Mode 2) up to take off.

③ Landing: push the left control stick (Mode 2) down until the aircraft lands. Hold for three seconds to stop the motors.

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, takeoff and land manually.

Usage

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 app is open, and then power on the aircraft. Go to the home screen in the app and tap Start to enter Operation View. Make sure that there is a strong signal (the GNSS icon or RTK icon on upper right corner of screen is green). Otherwise, the aircraft cannot take off.

- RTK positioning is recommended. In the app, go to Operation View, tap ⚙ and then RTK to select a method for receiving RTK signals.

Starting Operations

Users can perform mapping operations in the operating area using the app and receive an HD map via offline reconstruction using the remote controller, then plan a field on the HD map for Route operations. The following description uses Route Mapping and Crosshair as an example.

Power on the remote controller and then the aircraft. Enter Operation View in the app.

Tap the mode button on the upper left and select Route Mapping on the Mapping panel in the task mode selection screen.

Tap ⊕ on the right screen, select Area Route or Boundary Route, then tap ⊕ and select Crosshair.

Drag the map and tap Add to add a point at the crosshair position. Tap ☑ to save.

Tap ☑ and move the slider to take off. The aircraft will perform the mapping operation along the route automatically.

Wait for the reconstruction to be completed. Tap Plan Field to perform operations.

Tap ⊕ in the middle of the right screen to select Crosshair.

Drag the map and tap Add to add a point on the map.

Set route parameters, drag ◎ to adjust the flight direction of the route, and tap ☑ to save.

Tap ☑ to use the field and set task parameters.

Tap ☑, check the aircraft status and task settings, and move the slider to take off.

- 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 which, 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.
- In Route Operation mode, the aircraft is able to bypass obstacles, which is disabled by default and can be enabled in the app. If the function is enabled and the aircraft detects an obstacle, the aircraft will slow down and bypass the obstacle and return to the original flight path.
- Users can set the action the aircraft will perform after the operation is completed in the app.

Maintenance

Clean all parts of the aircraft and remote controller at the end of each day of spraying after the aircraft returns to a normal temperature. DO NOT clean the aircraft immediately after operations are completed.

A. Fill the spray tank with clean or soapy water and spray the water through the sprinklers until the tank is empty. Repeat this step three times.

B. Remove the spray tank strainer and sprinklers to clean them and clear any blockage. Afterwards, immerse them in clean water for 12 hours.

C. Make sure that the aircraft structure is completely connected so that it can be washed directly with water. It is recommended to use a spray washer filled with water to clean the aircraft body and wipe with a soft brush or wet cloth before removing water residue with a dry cloth.

D. If there is dust or pesticide liquid on the motors, propellers, or heat sinks, wipe them with a wet cloth before cleaning the remaining water residue with a dry cloth.

E. Wipe the surface and screen of the remote controller with a clean wet cloth that has been wrung out with water.

Refer to the disclaimer and safety guidelines for more information on product maintenance.

Fly Safe

1. Flying in Open Areas: pay attention to utility poles, power lines, and other obstacles. DO NOT fly near or above water, people, or animals.
2. Maintain Control at All Times: keep your hands on the remote controller and maintain control of the aircraft when it is in flight, even when using intelligent functions such as the Route and Fruit Tree modes and Smart Return to Home.
3. Maintain Line of Sight: maintain visual line of sight (VLOS) with your aircraft at all times and avoid flying behind buildings or other obstacles that may block your view.
4. Monitor Your Altitude: for the safety of manned aircraft and other air traffic, fly at an altitude lower than 100 m (328 ft) and in accordance with all local laws and regulations.

Flying Considerations

1. DO NOT use the aircraft in adverse weather conditions such as snow, fog, winds exceeding 6 m/s, or heavy rain exceeding 25 mm (0.98 in) in 12 hours.
2. DO NOT fly more than 4.5 km (14,763 ft) above sea level.
3. The app will intelligently recommend the payload weight of the tank according to the current status and surroundings of the aircraft. When adding material to the tank, the max weight should not exceed the recommended value. Otherwise, the flight safety may be affected.
4. Make sure that there is a strong GNSS signal and the RTK antennas are unobstructed during operation.

Return to Home (RTH)

The aircraft will automatically return to the Home Point in the following situations:

Smart RTH: user presses and holds the RTH button.

Failsafe RTH *: the remote controller signal is lost.

Low Battery RTH *: the aircraft battery level reaches the preset low battery threshold.

The aircraft decelerates and brakes and hovers if there is an obstacle within 20 m of the aircraft. The aircraft exits RTH and waits for further commands.

* The action of the aircraft when the remote controller signal is lost or the aircraft battery level is low can be set in the app. Failsafe RTH and Low Battery RTH will only be available if RTH is set.

- Obstacle avoidance is disabled in Attitude mode (which the aircraft enters in situations such as when the GNSS signal is weak) and is not available if the operating environment is not suitable for the radar modules or vision system. Extra caution is required in such situations.

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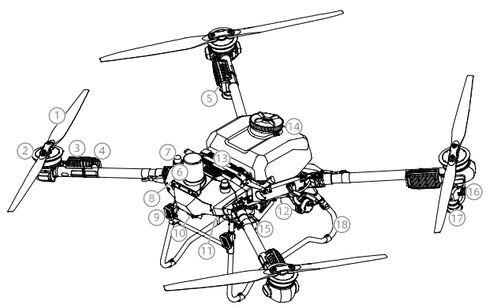
Pesticide Usage

1. Avoid the use of powder pesticide as much as possible and clean the spraying system after use. Otherwise, the service life of the spraying system may be reduced.
2. Pesticides are poisonous and pose serious risks to safety. Only use them in strict accordance with their specifications.
3. Use clean water to mix the pesticide and filter the mixed liquid before pouring into the spray tank to avoid blocking the strainer.
4. Effective use of pesticides depends on pesticide density, spray rate, spray distance, aircraft speed, wind speed, wind direction, temperature, and humidity. Consider all factors when using pesticides.
5. DO NOT compromise the safety of people, animals, or the environment during operation.

It is important to understand the basic flight guidelines, both for your protection and for the safety of those around you.
Make sure to read the disclaimer and safety guidelines.

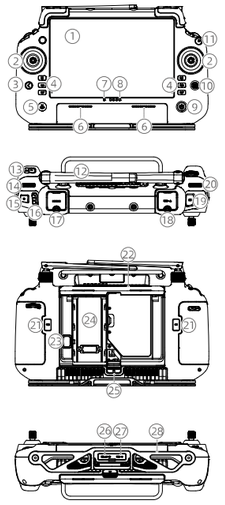
Aircraft



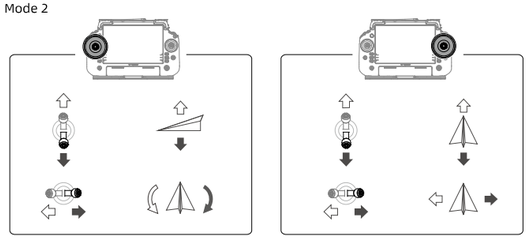
1. Propellers
2. Motors
3. ESCs
4. Aircraft Front Indicators (on two front arms)
5. Aircraft Rear Indicators (on two rear arms)
6. Forward Millimeter-Wave Rotating Radar
7. Onboard RTK Antennas
8. Vision System
9. Spotlight
10. FPV camera
11. External Image Transmission Antennas
12. Rear Millimeter-Wave Rotating Radar
13. Flight Battery
14. Spray Tank
15. Delivery Pumps
16. Spray Lance
17. Sprinklers
18. Landing Gear

Remote Controller

1. Touchscreen
2. Control Stick
3. Back Button
4. L1/L2/L3/R1/R2/R3 Buttons
5. Return to Home (RTH) Button
6. Microphones
7. Status LEDs
8. Battery Level LEDs
9. Power Button
10. 5D Button
11. Flight Pause Button
12. External Image Transmission Antennas
13. Button C3
14. Left Dial
15. Spray/Spread Button
16. Flight Mode Switch
17. HDMI Port
18. USB-A Port
19. FPV/Map Switch
20. Right Dial
21. Button C1/C2
22. Rear Cover
23. Battery Release Button
24. Battery Compartment
25. Rear Cover Release Button
26. microSD Card Slot
27. USB-C Port
28. Bracket



Mode 2



Specifications

Aircraft (Model: Talos T60X)	
Operating Frequency [1]	2.4000-2.4835 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC) 5.8 GHz: <33 dBm (FCC)
RTK/GNSS Operating Frequency	RTK: GPS L1/L2, GLONASS F1/F2, BeiDou B1I/B2I/B3I, Galileo E1/E5b, QZSS L1/L2 GNSS: GPS L1, GLONASS F1, BeiDou B1I, Galileo E1, QZSS L1
Operating Temperature	0° to 40° C (32° to 104° F)
Radar System	
Operating Frequency	24.05-24.25 GHz (FCC)
Transmitter Power (EIRP)	<20 dBm (FCC)
Operating Temperature	0° to 40° C (32° to 104° F)
Remote Controller (Model: YKBP2)	
Operating Temperature	-20° to 50° C (-4° to 122° F)
Image Transmission System	
Operating Frequency [1]	2.4000-2.4835 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC) 5.8 GHz: <33 dBm (FCC)
Max Transmission Distance	7 km (FCC)(unobstructed, free of interference, and at an altitude of 2.5 m)
Wi-Fi	
Protocol	Wi-Fi 6
Operating Frequency [1]	2.4000-2.4835 GHz, 5.150-5.250 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <26 dBm (FCC) 5.1 GHz: <26 dBm (FCC) 5.8 GHz: <26 dBm (FCC)
Bluetooth	
Protocol	Bluetooth 5.1
Operating Frequency	2.4000-2.4835 GHz
Transmitter Power (EIRP)	<10 dBm

[1] 5.8 and 5.1GHz frequencies are prohibited in some countries. In some countries, the 5.1GHz frequency is only allowed for use indoors.

This content is subject to change without prior notice.

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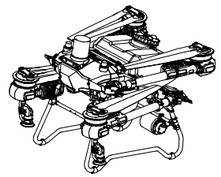
封底

Quick Start Guide

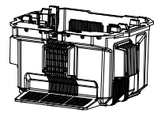
v1.0

TALOS DRONES

In the Box



Aircraft



Air-Cooled Heat Sink

Tool Box

The tool box includes the following items:

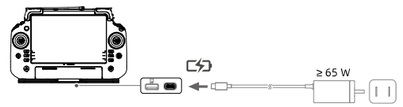
Remote Controller

Remote Controller Strap

USB-C Cable

Tools and Accessories

1



Charge to activate the internal battery of the remote controller before using for the first time. It is recommended to use USB PD3.0 chargers.

封面

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