



# TUNDRA DRONE Mavic 3 Automoving Light User Manual

[Home](#) » [TUNDRA DRONE](#) » TUNDRA DRONE Mavic 3 Automoving Light User Manual 

## Contents

- 1 TUNDRA DRONE Mavic 3 Automoving Light
- 2 READ BEFORE THE FIRST FLIGHT
- 3 USE AND CARE OF THE PRODUCT
- 4 IMPORTANT SAFETY INFORMATION
- 5 CHARGING THE AUTOMOVING LIGHT BATTERY
- 6 PREPARE THE DJI RC REMOTE CONTROLLER'S DJI FLY APP BEFORE FIRST FLIGHT
- 7 HOW TO USE THE DJI REMOTE CONTROLLER WITH THE AUTOMOVING LIGHT
- 8 PREPARE THE AUTOMOVING LIGHT AND MOUNT TRACKING MARKS TO THE AIRCRAFT'S CAMERA BEFORE FIRST FLIGHT
- 9 MOUNT THE AUTOMOVING LIGHT ON THE AIRCRAFT AND PREPARE FOR TAKEOFF
- 10 SUPPORT
- 11 Documents / Resources
  - 11.1 References
- 12 Related Posts

# TUNDRA DRONE

## TUNDRA DRONE Mavic 3 Automoving Light



## LEGEND



Warning



## READ BEFORE THE FIRST FLIGHT

Read the following documents before using the Tundra Drone Automoving light for DJI Mavic 3:

1. USE AND CARE OF THE PRODUCT– CUSTOMER RESPONSIBILITY
2. Important safety information
3. Charging the Automoving light's battery
4. Prepare the DJI Remote controller's DJI Fly app before first flight
5. How to use the DJI Remote controller with the Automoving light
6. Prepare the Automoving light and mount tracking marks to the aircraft's camera before first flight
7. Mount the Automoving light unit on the aircraft and prepare for takeoff

## USE AND CARE OF THE PRODUCT

### CUSTOMER RESPONSIBILITY

The Drone Pilot shall only use the «Tundra Drone Automoving light for DJI Mavic 3» (hereafter Product) as the described in this manual.

Drones, aircrafts, or unmanned aerial vehicles (UAVs) (hereafter aircraft or drone) mounted with the Product from Tundra Drone AS (hereafter Tundra Drone) shall only be used in accordance with the regulations for drone flying in the country in which the Drone Pilot operates. The Drone Pilot must ensure that the drone, where the Product is mounted, is insured at all times with statutory liability insurance, if required by national law in the country where operating the aircraft.

The Drone Pilot understands that the use of a Product from Tundra Drone on drones may entail a higher risk due to the fact that mounting of additional drone equipment on the drone may affect the performance of the drone itself, in both short and long term. It is therefore recommended that the Drone Pilot performs more frequent maintenance of the drone than the drone manufacturer's recommendations, to ensure that performance is not reduced. Furthermore, additional drone equipment mounted to the drone may increase the likelihood that weather and other conditions may affect the drone's flight characteristics. The Drone Pilot understands that this constitutes conditions that the Drone Pilot must be especially careful with when flying the drone. The Drone Pilot must read and understand the user manuals for both the drone and the Product from Tundra Drone before the Product is used, and then carry out their own training with these in a calm, delimited and safe area, before the Drone Pilot takes the Product from Tundra Drone into ordinary use.

Negligent use of drones with mounted drone equipment may lead to crashes, accidents or other dangers to the environment and people. If an incident as mentioned causes damage or death to people and animals, or damage to buildings, other physical objects or surroundings, and/or economic loss or damage, the Drone Pilot agrees that the Drone Pilot cannot hold Tundra Drone liable for damages, and the Drone Pilot waives the right to pursue Tundra Drone via legal action in any country. Should claims be made against Tundra Drone as a result of damage or loss that occurs when the Product is used by the Drone Pilot, or for breach of public and private regulations and permits, the Drone Pilot is obliged to indemnify Tundra Drone. This also applies if the damage occurs to a third party.

## IMPORTANT SAFETY INFORMATION

### Use with caution:

- The product outputs high intensity light. Do not look directly at the product's floodlight LED outlet when the light is turned on. The product's high intensity light can harm or cause permanent damage to human eyes! Use with

caution.

- Do not turn on the light before you have positioned the light away from yourself and other people.
- Do not use the product in rain, snow or wet weather conditions.
- Do not expose the device for moisture.
- Do not place the device where it can be exposed to excessive heat or a dusty environment.



The product is equipped with a rechargeable lithium battery. Lithium batteries may have regulations and limitations for transportation, especially with air planes.

## CHARGING THE AUTOMOVING LIGHT BATTERY

Use the provided battery charger kit to fully charge the Automoving light Battery before first use. Charging time for empty battery is up to 2 hours.



- Connect the Automoving light Battery to the Battery charger adapter.
- Slide the battery forward to connect it to the Battery charger adapter.



- Make sure the battery is mounted securely and that the battery latch has clicked into place.
- Connect the AC power adapter to the Battery charger adapter.



- Connect the AC power adapter to a power source (100-240 V, 50/60 Hz).

The AC power adapter will display a red LED light when charging.

The strobe on the battery will flash while charging.

- The Automoving light battery is fully charged when the green LED light is turned on.

Disconnect the AC power adapter from the power source and disconnect the Battery charger adapter from the Automoving light Battery when the battery is fully charged.

### **Charging time: 2 hours.**

- DO NOT charge an Automoving light Battery immediately after flight as the temperature may be too high. Wait until the battery cools down to room temperature before charging again.
- The ideal charging temperature is 22o to 28o C (71.6o to 82.4o F).
- The Automoving light Battery charging hub (not included) can charge up to four batteries.

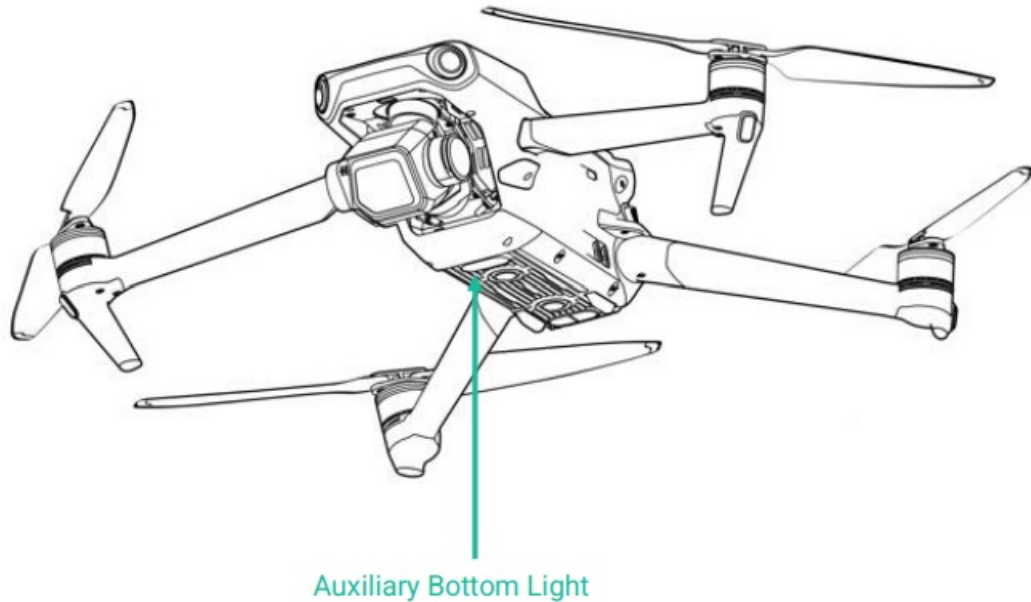
### **PREPARE THE DJI RC REMOTE CONTROLLER'S DJI FLY APP BEFORE FIRST FLIGHT**



1. Power «ON» the DJI RC Remote controller to enter the home screen of the DJI Fly app



2. Go to «System Settings» by tapping (System Settings button)
3. Select «Control» menu
4. Set the function of the customizable «C2 button» to turn on/off the «Auxiliary Bottom Light»
5. You have now successfully prepared the DJI Fly app for first flight with the Automoving light.



## HOW TO USE THE DJI REMOTE CONTROLLER WITH THE AUTOMOVING LIGHT

1. Prepare the DJI Mavic 3 aircraft for flight.
2. Power up the aircraft and make sure that the DJI Fly app connects to the aircraft.
3. Turn ON/OFF the aircraft's «Auxiliary Bottom Light» by pressing «C2 button» on the DJI Remote controller.  
The Automoving light will then be turned «ON/OFF» in sync with the aircraft's Auxiliary Bottom Light being turned ON/OFF.



Do NOT turn ON the aircraft's Auxiliary Bottom Light if the aircraft's propellers are not rotating. Lack of additional cooling from the aircraft's propellers may cause the Automoving light to overheat and malfunction.

## PREPARE THE AUTOMOVING LIGHT AND MOUNT TRACKING MARKS TO THE AIRCRAFT'S CAMERA BEFORE FIRST FLIGHT

Clean the surface on the aircraft's camera before mounting the tracking marks. Avoid using too strong detergents as it may cause damage to the aircraft's painting.



Mount the **green tracking mark** (sticker) to the center of the circle on the aircraft's camera.

**Green tracking mark**  
(mount to the center of the circle)

*DJI Mavic 3 Camera*



**Red tracking mark**

*DJI Mavic 3 Camera*

- Mount the red tracking mark on the aircraft's camera (see illustration).

The red tracking mark should be aligned in parallel with the aircraft camera's direction.

Do not use too much pressure when mounting the tracking marks, to avoid damaging the aircraft's camera gimbal mechanism.

## **MOUNT THE AUTOMOVING LIGHT ON THE AIRCRAFT AND PREPARE FOR TAKEOFF**



- Prepare the aircraft for flight. Follow instructions in your aircraft's user manual.  
Make sure the red and green tracking marks are mounted before you proceed.



- Place the Autopilot light unit and the aircraft next to each other.  
Use one hand to lift the aircraft and one hand to lift the Autopilot light unit.



- Lift the aircraft from the ground with one hand.  
Position the Autopilot light unit below the aircraft.



- Insert the aircraft from above into the Autopilot light's inner body.





- Correctly mounted.



- Place the Automoving light Battery into the Automoving light's battery slots' starting point.



- Press in the «battery latches» on both sides of the battery and position the battery to the battery slots' starting point.
- Slide the battery forwards along the battery slots and into the Automoving light's battery connector.



- Make sure the battery is mounted securely and that the «battery latches» have clicked into place on both sides.



- The image on the left illustrates a correctly mounted battery.  
When correctly mounted, there should be no «GAP» between the battery and the battery connector on the Automoving light unit.  
The Automoving light's Battery is used to securely mount and lock the Automoving light unit to the aircraft.



- The Automoving light is now completely and securely mounted on the aircraft.
- To start up the Automoving light hold the power button on the battery down for about 3 seconds. The battery will start with indicating charge level in four steps where 1 flash is empty and 4 flashes is full. After 5 seconds the battery will start to flash continuously in 1Hz. The floodlight LED will flash once on startup and once more when ready for use. Boot-up time is about 90 seconds.

**Note:** Booting time will be reduced with a planned software update.



- Power up the aircraft.

- Turn on the aircraft's Remote controller and make sure it connects to the aircraft.  
Before taking off, make sure the Aircraft Status Bar in DJI Fly app displays «Ready to Go».



- Turn on the aircraft's Auxiliary Bottom Light with the Remote controller's «C2 button».



- You are now ready for take-off!

Fly safely!

Do not look directly at the floodlight LED outlet when the light is turned on. It can harm or cause permanent damage to human eyes! Please use with caution.



- **Tip:** When controlling the aircraft camera's tilt with the «Gimbal Dial», the Automoving light automatically follows the camera's tilt angle, for optimal illumination.

Do not use the «Gimbal Dial» when the aircraft is on the ground, during takeoff and when landing.

## SUPPORT

For technical support please contact us at [tundradrone.com/support](https://tundradrone.com/support)

## Documents / Resources



**TUNDRA DRONE Mavic 3 Automoving Light** [pdf] User Manual  
Mavic 3 Automoving Light, Mavic 3, Automoving Light, Light

## References

- TUNDRA DRONE [Support | Tundra Drone](#)
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