



# dji Mini 3 Drone with Smart Controller User Guide

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**dji Mini 3 Drone with Smart Controller**



## Safety at a Glance

By using this product, you signify that you have read, understand and accept the terms and conditions of this guideline and all instructions at <https://www.dji.com/mini-3>. EXCEPT AS EXPRESSLY PROVIDED IN AFTER-SALES SERVICE POLICIES AVAILABLE AT ([HTTP://WWW.DJI.COM/SERVICE](http://www.dji.com/service)), THE PRODUCT AND ALL MATERIALS AND CONTENT AVAILABLE THROUGH THE PRODUCT ARE PROVIDED “AS IS” AND ON “AS AVAILABLE BASIS” WITHOUT WARRANTY OR CONDITION OF ANY KIND. This product is not intended for children.

## Flight Environment

### WARNING

- DO NOT use the aircraft in severe weather conditions including heavy wind exceeding 10.7 m/s, snow, rain, fog, hail, or lightning.
- DO NOT take off from an altitude more than 4,000 m (13,123 ft) above sea level.
- DO NOT fly the aircraft in environments where the temperature is below -10° C (14° F) or above 40° C (104° F).
- DO NOT take off from moving objects such as cars, ships, and airplanes.
- DO NOT fly close to reflective surfaces such as water or snow. Otherwise, the vision system may be limited.
- When the GNSS signal is weak, fly the aircraft in environments with good lighting and visibility. Low ambient light may cause the vision system to work abnormally.
- DO NOT fly the aircraft near areas with magnetic or radio interference, including Wi-Fi hotspots, routers, Bluetooth devices, high-voltage lines, large scale power transmission stations, radar stations, mobile base stations, and broadcasting towers.

### NOTICE

- Be careful when taking off in the desert or from a beach to avoid sand entering the aircraft.
- Fly the aircraft in open areas. Buildings, mountains, and trees may block the GNSS signal and affect the on-board compass.

## Flight Operation

### WARNING

- Stay away from rotating propellers and motors.
- Make sure the aircraft batteries, remote controller, and the mobile device are fully charged.
- Be familiar with the selected flight mode and understand all safety functions and warnings. The aircraft does not feature omnidirectional obstacle avoidance. Fly with caution.

### NOTICE

- Make sure DJITM Fly and aircraft firmware have been updated to the latest version.
- Land the aircraft in a safe location when there is a low battery or high wind warning.
- Use the remote controller to control the speed and altitude of the aircraft to avoid collisions during Return-to-Home.

## Battery Safety Notice

### WARNING

- Keep batteries clean and dry. DO NOT allow liquid to come into contact with the batteries. DO NOT leave batteries covered in moisture or out in the rain. DO NOT drop the batteries into water. Otherwise, an explosion or fire may occur.
- DO NOT use non-DJI batteries. It is recommended to use DJI chargers.
- DO NOT use swollen, leaking, or damaged batteries. In such situations, contact DJI or a DJI authorized dealer.
- The batteries should be used at a temperature between -10° to 40° C (14° to 104° F). High temperatures can cause an explosion or fire. Low temperatures will reduce the performance of a battery.
- DO NOT disassemble or pierce the battery in any way.
- The electrolytes in the battery are highly corrosive. If any electrolytes come into contact with your skin or eyes, immediately wash the affected area with water and seek medical support.
- Keep the batteries out of the reach of children and animals.
- DO NOT use a battery if it is involved in a crash or heavy impact.
- Extinguish any battery fire using water, sand, or a dry powder fire extinguisher.
- DO NOT charge the battery immediately after flight. The battery temperature may be too high and may cause serious damage to the battery. Allow the battery to cool down to close to room temperature before charging. Charge the battery at a temperature range of 5° to 40° C (41° to 104° F). The ideal charging temperature range is 22° to 28° C (72° to 82° F). Charging at the ideal temperature range can prolong battery life.
- DO NOT expose the battery to fire. DO NOT leave the battery near heat sources such as a furnace, heater, or inside a vehicle on a hot day. Avoid storing the battery in direct sunlight.
- DO NOT store the battery for an extended period after fully discharging. Otherwise, the battery may over-discharge and cause irreparable damage to the battery cell.
- If a battery with a low power level has been stored for an extended period, the battery will enter deep hibernation mode. Recharge the battery to bring it out of hibernation.

## Specifications

### Aircraft (Model: MT3PD)

Operating Temperature -10° to 40° C (14° to 104° F)

### O2

Operating Frequency 2.4000-2.4835 GHz, 5.725-5.850 GHz

Transmitter Power (EIRP) 2.4 GHz: <26 dBm (FCC), <20 dBm (CE/SRRC/MIC)  
5.8 GHz: <26 dBm (FCC/SRRC), <14 dBm (CE)

### Wi-Fi

Protocol 802.11a/b/g/n/ac

Operating Frequency 2.4000-2.4835 GHz, 5.725-5.850 GHz

Transmitter Power (EIRP) 2.4 GHz: <19 dBm (FCC/CE/SRRC/MIC)  
5.8 GHz: <20 dBm (FCC/SRRC), <14 dBm (CE)

### Bluetooth

Protocol Bluetooth 5.2

Operating Frequency 2.4000-2.4835 GHz

Transmitter Power (EIRP) < 8 dBm

### Intelligent Flight Battery (Model: BWX162-2453-7.38)

Charging Temperature 5° to 40° C (41° to 104° F)

Capacity 2453 mAh

Standard Voltage 7.38 V

Support Charger DJI 30W USB-C Charger  
or other USB Power Delivery charger

## WE ARE HERE FOR YOU

- DJI SUPPORT
- <https://www.dji.com/mini-3/downloads>

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## Documents / Resources

