DJI CP.PT.000139

DJI Phantom 3 Standard Quadcopter User Manual

Model: CP.PT.000139

Introduction

Welcome to the DJI Phantom 3 Standard Quadcopter user manual. This document provides essential information for the safe and effective operation, setup, and maintenance of your Phantom 3 Standard. Please read this manual thoroughly before using the product to ensure proper handling and to maximize your flying experience.

Safety Guidelines

Operating the DJI Phantom 3 Standard requires adherence to specific safety protocols. Failure to follow these guidelines may result in injury, damage to the aircraft, or property damage.

- **Pre-Flight Check:** Always perform a thorough pre-flight check, including battery levels, propeller attachment, and compass calibration.
- **Flight Environment:** Fly in open areas, away from people, buildings, and obstacles. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog. Optimal conditions are clear skies with minimal wind.
- **Battery Safety:** Use only official DJI batteries and chargers. Do not overcharge or puncture batteries. Store batteries in a cool, dry place.
- **Maintain Visual Line of Sight:** Always keep the aircraft within your visual line of sight during flight.
- **Emergency Procedures:** Familiarize yourself with the Return-to-Home (RTH) function and emergency landing procedures.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone operation.

Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact DJI support.



Image Description: An overhead view of the complete DJI Phantom 3 Standard package contents laid out on a wooden floor. This includes the white quadcopter, its retail box, a grey backpack, the white remote controller, a flight battery, four propellers, a small black pouch with DJI logo, a USB cable, a charger, and small bags of spare parts.

Included Items:

- DJI Phantom 3 Standard Aircraft

- Remote Controller
- Intelligent Flight Battery
- Propellers (4 pairs)
- Battery Charger
- Power Cable
- Gimbal Clamp
- Vibration Dampers
- Landing Pads
- Propeller Wrench
- USB Cable
- Micro SD Card (8GB)
- Manuals and Documents

Setup

1. Charging Batteries

Before first use, fully charge the Intelligent Flight Battery and the Remote Controller.

1. Connect the battery charger to a power outlet.
2. Connect the Intelligent Flight Battery to the charger. The battery level indicators will show charging progress.
3. Connect the remote controller to the charger using the USB cable.
4. Charging is complete when all battery level indicators turn off.

2. Attaching Propellers

Attach the propellers to the motors. Note that two types of propellers are included: clockwise (CW) and counter-clockwise (CCW).



Image Description: A close-up view of the DJI Phantom 3 Standard quadcopter and its remote controller on a wooden floor. The drone's propellers are not yet attached, showing the motor mounts. The remote controller is positioned to the left of the drone.

1. Match the propellers with silver nuts to motors with silver dots.
2. Match the propellers with black nuts to motors with black dots.
3. Rotate the propeller in the direction indicated by the lock icon on the motor until it is securely fastened.
4. Ensure all propellers are firmly attached before flight.

3. Installing the Mobile Device

The remote controller includes a mobile device holder for viewing the live camera feed and flight data via the DJI GO app.



Image Description: A white DJI Phantom 3 Standard remote controller with a silver smartphone mounted in its adjustable holder. The phone's screen is black, indicating it is off or in standby. The remote controller's joysticks and power button are visible.

1. Extend the mobile device holder on the remote controller.
2. Securely place your smartphone or tablet into the holder.
3. Connect your mobile device to the remote controller via the provided USB cable.
4. Download and install the DJI GO app from your device's app store.

Operating Instructions

1. Powering On/Off

1. **To Power On:** Press the power button on the Intelligent Flight Battery once, then press and hold for two seconds until the indicators light up. Repeat for the remote controller.
2. **To Power Off:** Press the power button once, then press and hold for two seconds until the indicators turn off.

2. Pre-Flight Preparations

1. Place the Phantom 3 Standard on a flat, open surface.
2. Power on the remote controller, then the aircraft.
3. Launch the DJI GO app on your mobile device.
4. Wait for the aircraft to acquire sufficient GPS satellites (indicated by green status lights and "Home Point Recorded" in the app).
5. Perform compass calibration if prompted by the app or if flying in a new location.

3. Taking Off and Landing

1. **Automatic Takeoff:** In the DJI GO app, tap the "Auto Takeoff" button and confirm. The aircraft will ascend to a safe height and hover.
2. **Manual Takeoff:** Push both control sticks to the bottom inner or outer corners to start the motors. Slowly push the left stick up to ascend.
3. **Automatic Landing:** In the DJI GO app, tap the "Auto Landing" button and confirm. The aircraft will descend and land automatically.
4. **Manual Landing:** Slowly pull the left stick down to descend. Once landed, push both sticks to the bottom inner or outer corners to stop the motors.

4. Flight Controls



Image Description: A top-down view of the white DJI Phantom 3 Standard remote controller. The two control sticks are prominent, along with the power button and battery indicator lights. The mobile device holder is folded back.

- **Left Stick:**
  - Up/Down: Ascend/Descend

    - Left/Right: Yaw (rotate aircraft)
- **Right Stick:**
    - Up/Down: Pitch (move forward/backward)
    - Left/Right: Roll (move left/right)
- **Camera Dial:** Controls gimbal pitch (camera up/down).
- **Record Button:** Starts/stops video recording.
- **Shutter Button:** Takes a photo.

5. Intelligent Flight Modes

The DJI GO app offers various intelligent flight modes to enhance your flying experience.

- **Follow Me:** The aircraft follows the remote controller at a constant distance and height.
- **Point of Interest:** The aircraft orbits around a designated point, keeping the camera focused on it.
- **Waypoints:** Plan a flight path by setting multiple waypoints on the map.
- **Home Lock:** Controls are relative to the recorded Home Point, regardless of aircraft orientation.
- **Course Lock:** Controls are relative to the aircraft's nose direction at the time Course Lock was activated.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DJI Phantom 3 Standard.

- **Cleaning:**
    - Wipe the aircraft body with a soft, damp cloth after each flight.
    - Ensure motors and propellers are free of dust, dirt, and debris.
    - Clean the camera lens with a microfiber cloth designed for optics.
- **Propeller Inspection:**
    - Inspect propellers for cracks, bends, or damage before every flight. Replace damaged propellers immediately.
- **Battery Care:**
    - Store batteries at approximately 50% charge if not used for extended periods.
    - Avoid extreme temperatures when storing or operating batteries.
    - Do not use swollen, leaking, or damaged batteries.
- **Gimbal Protection:**
    - Always attach the gimbal clamp when transporting the aircraft to protect the camera and gimbal.



Image Description: A detailed close-up of the DJI Phantom 3 Standard's camera and gimbal assembly. The camera lens, marked "F/2.8 94° FOV", is clearly visible, along with the silver gimbal components.



Image Description: The underside of the DJI Phantom 3 Standard quadcopter, showing the camera and gimbal with a clear protective cover installed. This cover helps secure the gimbal during transport.

- **Firmware Updates:**
  - Regularly check the DJI GO app for firmware updates. Keep your aircraft and remote controller firmware up-to-date for optimal performance and new features.

Troubleshooting

Problem	Possible Cause	Solution
Aircraft not powering on.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted. Press power button once, then press and hold for 2 seconds.
No GPS signal.	Flying indoors, under obstructions, or in an area with poor satellite coverage.	Move to an open outdoor area. Wait for the aircraft to acquire at least 7 GPS satellites.
Compass error/calibration required.	Interference from magnetic sources or first flight in a new location.	Perform compass calibration in an open area away from metal structures or strong magnetic fields.
Poor video transmission/lag.	Strong Wi-Fi interference, too far from remote controller, or mobile device performance.	Change Wi-Fi channel in DJI GO app settings. Fly closer to the aircraft. Close other apps on your mobile device.
Aircraft drifting during hover.	IMU calibration needed or strong wind.	Perform IMU calibration via the DJI GO app. Avoid flying in strong winds.

Specifications

Feature	Detail
Model Name	Phantom 3
Color	White
Video Capture Resolution	1080p
Effective Still Resolution	12 MP
Connectivity Technology	USB
Skill Level	Intermediate
Item Weight	1.22 Kilograms (2.68 pounds)
Product Dimensions	11.42 x 11.42 x 7.09 inches
Batteries	1 Lithium Polymer battery (included)
Material	Plastic
Control Type	Remote Control
Optical Sensor Technology	CMOS

Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official DJI website. If you encounter any issues not covered in this manual or require technical assistance, please contact DJI Customer Support.

- **Official DJI Support:** www.dji.com/support
- **Online Forums & Community:** Explore user forums for tips and community support.



Image Description: An open carrying case for the DJI Phantom 3 Standard, showing the custom-molded foam interior designed to securely hold the drone and its accessories. The case is black with straps to hold components in place.

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question