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**PHANTOM 4**

Quick Start Guide

V1.2

The DJI Phantom 4 is an extremely smart flying camera able to intelligently track subjects without a separate device, avoid obstacles and fly with a tap of your finger. All while shooting 4K video or 12 megapixel stills.

TapFly and ActiveTrack are two brand new commands in the DJI GO app, unique to the Phantom 4. Now with a simple tap you can fly anywhere visible on your screen or track a moving subject smoothly and easily.

**Remote Controller**

This powerful remote controller allows you to operate your Phantom 4 up to 3.1 mi (5 km)*, while giving you buttons and dials for exposure, camera tilt, photo capture and video recording.

Built into the remote controller is DJI Lightbridge, which when paired with a compatible mobile device gives you a live HD view from the Phantom's camera. An internal battery ensures a long battery life and ease of use.

* The remote controller is able to reach its maximum transmission distance in a wide open area with no magnetic interference, and at an altitude of about 400 feet (120 meters).

**Left Stick**

- **Right Stick**
  - **UP**
  - **Down**
  - **Turn Right**
  - **Turn Left**

**Gimbal Dial**

1. Gimbal and Camera
2. Vision Positioning System
3. Micro USB Port
4. Camera/Linking Status Indicator and Link Button
5. Camera Micro SD Card Slot
6. Obstacle Sensing System*
7. Front LEDs
8. Motors
9. Propellers
10. Aircraft Status Indicators
11. Antennas
12. Intelligent Flight Battery
13. Power Button
14. Battery Level Indicators

* The Obstacle Sensing System is affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorials in the DJI GO app or on the official DJI website to learn more.

http://www.dji.com/product/phantom-4
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### Components

1. Gimbal and Camera
2. Vision Positioning System
3. Micro USB Port
4. Camera/Linking Status Indicator and Link Button
5. Camera Micro SD Card Slot
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1. Power Button
2. Return-to-Home (RTH) Button
3. Control Sticks
4. Status LED
5. Battery Level LEDs
6. Power Port
7. Mobile Device Holder
8. Small Device Positioning Tabs (for mobile phones)
9. Antennas
10. Handle Bar
11. Gimbal Dial
12. Camera Settings Dial
13. Record Button
14. Flight Mode Switch
15. Shutter Button
16. Intelligent Flight Pause Button
17. C1 and C2 Buttons (customizable)
18. USB Port
19. Micro USB Port

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The remote controller is able to reach its maximum transmission distance in a wide open area with no magnetic interference, and at an altitude of about 400 feet (120 meters).
Using PHANTOM 4

1. Download the **DJI GO** App

   Search for ‘DJI GO’ on the App Store or Google Play, and install the app on your mobile device.

   ![DJI GO App](QR_Code)

   DJI GO App

2. Watch the Tutorial Videos

   Watch the tutorial videos at www.dji.com or in the DJI GO app.

   ![Tutorial Videos](QR_Code)

   Tutorial Videos

3. Check the Battery Levels

   ![Battery Levels](Image)

   Press once to check the battery level. Press once, then again and hold to turn on/off.

4. Charge the Batteries

   ![Battery Charging](Image)

   Remove the battery. Charge Time:
   - ~1 hr 20 min

   Charge Time:
   - ~3 hr 40 min

   ![Battery Charging](Image)

   * When charging is complete, the battery level indicators will automatically turn off.

   **DJI GO supports iOS 8.0 (or later) or Android 4.1.2 (or later).**
5. Prepare the Remote Controller

Unfold

Press the button to release the clamp.

Place your mobile device and adjust the clamp to secure.

Connect your mobile device with a USB cable.

6. Prepare for Takeoff

Remove the gimbal clamp from the camera.

Power on the remote controller and the aircraft.

Launch DJI GO, complete the first-time setup, and enter Camera View.

First-time activation requires your DJI account and internet connection.

Black propeller rings go on motors with black dots.

Silver propeller rings go on motors without black dots.

- Check that the propellers are secure before each flight.
7. Flight

Before taking off, make sure the Aircraft Status Bar in the DJI GO app indicates ‘Safe to Fly (GPS)’ or ‘Safe to fly (non-GPS)’ if flying indoors.

In the DJI GO App:

**Safe to Fly (GPS)**

**Auto Takeoff**
The aircraft will take off and hover at an altitude of 4 feet (1.2 meters).

**Auto Landing**
The aircraft will land vertically and stop its motors.

**Return-to-Home (RTH)**
Bring the aircraft back to the Home Point. Tap again to stop the procedure.

**TapFly**
Tap on your screen to fly your Phantom in that direction, avoiding obstacles as it flies.

**ActiveTrack**
Mark an object on your screen to track it as it moves.

**Normal**
You are in control of the Phantom, with satellite and Return-to-Home support.

**Smart**
Tap to use Point of Interest (POI), Waypoints and more.

**Watch the tutorial in the DJI GO app or on the official DJI website to learn more.**

**Always set an appropriate RTH altitude before takeoff. When the aircraft is returning to the Home Point, you should guide it with the control sticks. Refer to the Disclaimer and Safety Guidelines for more details.**

**Manual Takeoff**

![Combination Stick Command](image)

- Left stick up (slowly) to take off
- Left stick down (slowly) until you touch the ground

**Manual Landing**

- Hold a few seconds to stop the motors

- Rotating propellers can be dangerous. Do not start the motors when there are people nearby.
- Always keep your hands on the remote controller so long as the motor is still spinning.
- Stop motor mid-flight: Pull the left stick to the bottom inside corner while simultaneously pressing the RTH button. Only stop motors mid-flight in emergency situations when doing so can reduce the risk of damage or injury. Refer to the user manual for details.

- It’s important to understand basic flight guidelines, for the safety of both you and those around you. Don’t forget to read the Disclaimer and Safety Guidelines.

4. Charge the Batteries

3. Check the Battery Levels

1. Download the DJI GO app.

Search for ‘DJI GO’ on the App Store or Google Play.

Press once to check the battery level. Press once, then again and hold to turn on/off.

Remove the battery. Charge Time:

- DJI GO supports iOS 8.0 (or later) or Android 4.1.2 (or later).
- When charging is complete, the battery level indicators will automatically turn off.
- DJI GO App Charges are rated at 100 - 240V
- Power Outlet

Aircraft
- Weight (Including Battery): 1380 g
- Max Ascent Speed: 6 m/s (Sport mode)
- Max Descent Speed: 4 m/s (Sport mode)
- Max Speed: 20 m/s (Sport mode)
- Max Service Ceiling Above Sea Level: 19685 feet (6000 m)
- Max Flight Time: Approx. 28 minutes
- Operating Temperature Range: 32° to 104° F (0° to 40° C)
- Satellite Systems: GPS / GLONASS

Gimbal
- Controllable Range: Pitch: -90° to +30°

Obstacle Sensing System
- Obstacle Sensory Range: 2 – 49 feet (0.7 – 15 m)
- Operating Environment: Surface with clear pattern and adequate lighting (lux > 15)

Vision Positioning System
- Velocity Range: ≤10 m/s (2 m above ground)
- Altitude Range: 0 – 33 feet (0 – 10 m)
- Operating Range: 0 – 33 feet (0 – 10 m)
- Operating Environment: Surfaces with a clear pattern and adequate lighting (lux > 15)

Camera
- Sensor: 1/2.3” Effective pixels:12 M
- Lens: FOV (Field Of View): 94° 20 mm (35 mm format equivalent) 1/2.8” focus at ∞
- ISO Range: 100 – 3200 (video) 100 – 1600 (photo)
- Electronic Shutter Speed: 8 s to 1/8000 s
- Max Image Size: 4000×3000
- Stills Photography Modes: Single shot, Burst shooting: 3 / 5 / 7 frames
- Auto Exposure Bracketing (AEB): 3 / 5 bracketed frames at 0.7 EV Bias

Video Recording Modes:
- UHD: 4096×2160 (4K) 24 / 25p
- 3840×2160 (4K) 24 / 25 / 30p
- 2704×1520 (2.7K) 24 / 25 / 30p
- FHD: 1920×1080 24 / 25 / 30 / 48 / 50 / 60 / 120p
- HD: 1280×720 24 / 25 / 30 / 48 / 50 / 60p

Max Video Bitrate: 60 Mbps
- Supported File Systems: FAT32 (< 32 GB); exFAT (> 32 GB)
- Photo: JPEG, DNG (RAW)
- Video: MP4 / MOV (MPEG – 4 AVC / H.264)
- Supported SD Cards: Micro SD, Max capacity: 64GB. Class 10 or UHS-1 rating required
- Operating Temperature: 32° to 104° F (0° to 40° C)

Remote Controller
- Operating Frequency: 2.400 GHz to 2.483 GHz
- Max Transmission Distance: FCC Compliant: 3.1 mi (5 km); CE Compliant: 2.2 mi (3.5 km)
- Operating Temperature: 32° to 104° F (0° to 40° C)
- Battery: 6000 mAh LiPo 2S
- Transmitter Power (EIRP): FCC: 23 dBm; CE: 17 dBm
- Operating Voltage: 7.4V @ 1.2A

Charger
- Voltage: 17.4 V
- Rated Power: 100 W

Intelligent Flight Battery (PH4 - 5350 mAh -15.2 V)
- Capacity: 5350 mAh
- Voltage: 15.2 V
- Battery Type: LiPo 4S
- Energy: 81.3 Wh
- Net Weight: 462 g
- Operating Temperature: 14° to 104° F (-10° to 40° C)
- Max Charging Power: 100 W

Download the user manual for more information:
http://www.dji.com/product/phantom-4

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