The default flight control is known as Mode 2. The left stick controls the aircraft’s altitude and heading, while the right stick controls its forward, backward, left and right movements. The gimbal dial controls the camera’s tilt.

Quick Start Guide
V1.0

The DJI PHANTOM 4 Pro+ is a smart prosumer flying camera capable of shooting 4K video at 60fps and at up to 100mbps, and capturing 20 megapixel stills. 4 directions of obstacle avoidance allow it to intelligently avoid obstacles during flight. Using upgraded TapFly and ActiveTrack through the DJI GO app, you can fly anywhere visible on your screen or track a moving subject smoothly and easily with a simple tap. The brand new camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images.

Remote Controller
The powerful remote controller of the Phantom 4 Pro+ has a transmission range extending up to 4.3 mi (7 km)*. It features physical buttons and dials to control exposure, camera tilt, photo capture and video recording.

* The remote controller is able to reach its maximum transmission distance (FCC) in a wide open area with no Electro-Magnetic Interference, and at an altitude of about 400 feet (120 meters).
The DJI PHANTOM™ 4 Pro+ is a smart prosumer flying camera capable of shooting 4K video at 60fps and at up to 100Mbps, and capturing 20 megapixel stills. 4 directions of obstacle avoidance allow it to intelligently avoid obstacles during flight. Using upgraded TapFly™ and ActiveTrack™ through the DJI GO™ 4 app, you can fly anywhere visible on your screen or track a moving subject smoothly and easily with a simple tap. The brand new camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images.

* The Vision and Infrared Sensing Systems are affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorials in the DJI GO 4 app or on the official DJI website to learn more.

http://www.dji.com/phantom-4-pro
Remote Controller

The powerful remote controller of the Phantom 4 Pro+ has a transmission range extending up to 4.3 mi (7 km)*. It features physical buttons and dials to control exposure, camera tilt, photo capture and video recording.

Built into the remote controller is DJI LIGHTBRIDGÉ™, providing a live HD view from the Phantom camera directly on the display. Dual frequency support makes the HD video downlink more stable. An internal battery ensures a long battery life and ease of use.

1. Power Button
2. Return-to-Home (RTH) Button
3. Control Sticks
4. Speaker
5. Status LED
6. Battery Level LEDs
7. Power Port
8. Display Screen
9. Sleep/Wake Button
10. Microphone
11. Antennas
12. Handle Bar
13. Gimbal Dial
14. Camera Settings Dial
15. Record Button
16. Flight Mode Switch
17. Shutter Button
18. Intelligent Flight Pause Button
19. C1 and C2 Buttons (customizable)
20. Micro USB Port
21. HDMI Port
22. Micro-SD Card Slot
23. USB Port

The default flight control is known as Mode 2. The left stick controls the aircraft’s altitude and heading, while the right stick controls its forward, backward, left and right movements. The gimbal dial controls the camera’s tilt.

* The remote controller is able to reach its maximum transmission distance (FCC) in a wide open area with no Electro-Magnetic Interference, and at an altitude of about 400 feet (120 meters).
1. Watch the Tutorial Videos

Watch the tutorial videos at www.dji.com or in the DJI GO 4 app.

2. Check the Battery Levels

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

3. Charge the Batteries

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

Charge Time: ~2 hr 50 min

* When charging is complete, the battery level indicators will automatically turn off.
4. Prepare the Remote Controller

Unfold the remote controller and check the signal strength.

StrongWeak

5. Prepare for Takeoff

Remove the gimbal clamp from the camera.

Power on the remote controller and the aircraft.

Complete first-time setup in DJI GO 4 and tap GO FLY.

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

Press the propeller down onto the mounting plate and rotate in the lock direction until secure.

Silver propeller rings go on motors without black dots.

Black propeller rings go on motors with black dots.

Check that the propellers are secure before each flight.
6. Flight

**Ready to Go (GPS)**

Before taking off, make sure the Aircraft Status Bar in the DJI GO 4 app indicates ‘Ready to Go (GPS)’ or ‘Ready to Go (Vision)’ if flying indoors.

In the DJI GO 4 App:

- **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.

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

- **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.

- **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.

- **Manual Takeoff**
  Use the combination stick command to start/stop the motors.
  - **Combination Stick Command**
  - **Left stick up (slowly)** to take off
  - **Left stick down (slowly)** to stop the motors
  - **Hold a few seconds to stop the motors**

- **Manual Landing**
  Left stick down (slowly) until you touch the ground
  - **Stop motor mid-flight**

- **Watch the tutorial in the DJI GO 4 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.**
### Specifications

**Aircraft**
- **Weight (Battery & Propellers Included)**: 1388 g
- **Max Ascent Speed**: S-mode: 6 m/s; P-mode: 5 m/s
- **Max Descent Speed**: S-mode: 4 m/s; P-mode: 3 m/s
- **Max Speed**: 45 mph (72 kph) (S-mode), 36 mph (58 kph) (A-mode), 31 mph (50 kph) (P-mode)
- **Max Service Ceiling Above Sea Level**: 19685 ft (6000 m)
- **Max Flight Time**: Approx. 30 minutes
- **Operating Temperature**: 32° to 104° F (0° to 40° C)
- **Hover Accuracy Range**:
  - **Vertical** (With Vision Positioning): ±0.1 m
  - **Horizontal** (With Vision Positioning): ±0.3 m
  - **Vertical** (With GPS Positioning): ±0.5 m
  - **Horizontal** (With GPS Positioning): ±1.5 m

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

**Vision System**
- **Velocity Range**: ≤31 mph (50 kph) at 6.6 ft (2 m) above ground
- **Altitude Range**: 0 - 33 ft (0 - 10 m)
- **Operating Range**: 0 - 33 ft (0 - 10 m)
- **Obstacle Sensory Range**: 2 - 98 ft (0.7 - 30 m)
- **Obstacle Detection Range**: ≤31 mph (50 kph)
- **Obstacle Sensory Range (Vision)**: ≤31 mph (50 kph) (S-mode), 24 mph (39 kph) (A-mode), 19 mph (30 kph) (P-mode)

**Infrared Sensing System**
- **Obstacle Sensory Range**: ≤31 mph (50 kph)
- **Obstacle Detection Range**: ≤31 mph (50 kph)

**Camera**
- **Sensor**: 1" CMOS; Effective pixels: 20M
- **Lens**
  - **FOV (Field of View)**: 84°, 8.8 mm (35 mm format equivalent: 24 mm)
  - **ISO Range**
    - Video: 100 - 3200 (Auto), 100 - 6400 (Manual)
    - Photo: 100 - 3200 (Auto), 100 - 12800 (Manual)
- **Mechanical Shutter**: 8 - 1/2000 s
- **Electronic Shutter**: 8 - 1/8000 s

**Video Recording Modes**
<table>
<thead>
<tr>
<th>H.265</th>
<th>H.264</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4K: 4096×2160 24/25/30p</td>
<td>C4K: 4096×2160 24/25/30/48/50/60p</td>
</tr>
<tr>
<td>4K: 3840×2160 24/25/30p</td>
<td>4K: 3840×2160 24/25/30/48/50/60p</td>
</tr>
<tr>
<td>2.7K: 2720×1530 24/25/30/48/50/60p</td>
<td>2.7K: 2720×1530 24/25/30/48/50/60p</td>
</tr>
<tr>
<td>FHD: 1920×1080 24/25/30/48/50/60/120p</td>
<td>FHD: 1920×1080 24/25/30/48/50/60/120p</td>
</tr>
<tr>
<td>HD: 1280×720 24/25/30/48/50/60/120p</td>
<td>HD: 1280×720 24/25/30/48/50/60/120p</td>
</tr>
</tbody>
</table>

**Video Storage Bitrate**: 100 Mbps

**Supported File Systems**: FAT32 (<32 GB); exFAT (>32 GB)

**Video**
- **Photo**: JPEG, RAW (DNG), JPEG + RAW
- **Video**: MP4/MOV (AVC/H.264, HEVC/H.265)

**Supported SD Cards**: Micro SD, Max Capacity: 128 GB, Class 10 or UHS-1 rating required

**Operating Temperature**: 32° to 104° F (0° to 40° C)

**Remote Controller**
- **Operating Frequency**: 2.400 - 2.483 GHz and 5.725 - 5.825 GHz
- **Max Transmission Distance**: FCC: 4.3 mi (7 km); CE: 2.2 mi (3.5 km); SRRC: 3.1 mi (5 km) (Unobstructed, free of interference)
- **Operating Temperature**: 32° to 104° F (0° to 40° C)
- **Battery**: 6000 mAh LiPo 2S
- **Transmitter Power (EIRP)**: 2.4 GHz: 26 dBm (FCC), 17 dBm (CE); 20 dBm (SRRC)
- **Operating Voltage**: 1.2 A @ 7.4 V
- **Built-in Display Device**: 5.5 inch screen, 1920×1080, 1000 cd/m²
- **Android system, 4G RAM + 16G ROM**

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

**Intelligent Flight Battery (PH4-5870mAh-15.2V)**
- **Capacity**: 5870 mAh
- **Voltage**: 15.2 V
- **Battery Type**: LiPo 4S
- **Energy**: 89.2 Wh
- **Net Weight**: 468 g
- **Charging Temperature Range**: 41° to 104° F (5° to 40° C)
- **Max Charging Power**: 100 W

Download the user manual for more information: [http://www.dji.com/phantom-4-pro](http://www.dji.com/phantom-4-pro)

*This Quick Start Guide is subject to change without prior notice.*
PHANTOM 4 PRO+