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Quick Start Guide
v1.4

The DJI PHANTOM™ 4 Pro+ V2.0 is a smart prosumer flying camera capable of shooting 4K video at 60 fps and at up to 100 Mbps, and capturing 20 megapixel stills. 4 directions of obstacle avoidance allow it to intelligently avoid obstacles during flight. Using 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 camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images.

In addition to the above features, improved propulsion system efficiency means aircraft noise is 4dB (60%) lower than on the Phantom 4 Pro+.

Remote Controller
The powerful remote controller of the Phantom 4 Pro+ V2.0 has a transmission range extending up to 6.2 mi (10 km)*. It features physical buttons and dials to control exposure, camera tilt, photo capture, and video recording.

Built into the remote controller is DJI’s latest long-range transmission technology OCUSYNC™, providing a live HD view from the Phantom’s camera directly on the display. Dual frequency support makes the HD video downlink more stable.

* 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. Gimbal and Camera
2. Downward Vision System*
3. Micro USB Port
4. Camera/Linking Status Indicator and Link Button
5. Camera Micro SD Card Slot
6. Forward Vision System
7. Infrared Sensing System*
8. Front LEDs
* 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-v2

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

Folded
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9. Motors
10. Propellers
11. Aircraft Status Indicators
12. Antennas
13. Rear Vision System
14. Intelligent Flight Battery
15. Power Button
16. Battery Level Indicators

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.

**Quick Start Guide v1.4**

**Phantom 4 Pro+ V2.0**

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15. Power Button
16. Battery Level Indicators

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[http://www.dji.com/phantom-4-pro-v2](http://www.dji.com/phantom-4-pro-v2)
Remote Controller

The powerful remote controller of the Phantom 4 Pro+ V2.0 has a transmission range extending up to 6.2 mi (10 km)*. It features physical buttons and dials to control exposure, camera tilt, photo capture, and video recording.

Built into the remote controller is DJI’s latest long-range transmission technology OCUSYNCTM, providing a live HD view from the Phantom’s camera directly on the display. Dual frequency support makes the HD video downlink more stable.

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.

1. Power Button
2. Return-to-Home (RTH) Button
3. Control Sticks
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21. HDMI Port
22. Micro-SD Card Slot
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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.

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

Right Stick
- Forward
- Backward

Gimbal Dial
- Left
- Right

* 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.

<table>
<thead>
<tr>
<th>Battery</th>
<th>Charge Time:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>~1 hr 20 min</td>
</tr>
<tr>
<td>B</td>
<td>~2 hr 50 min</td>
</tr>
</tbody>
</table>

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

Unfold

Strong  Weak

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.

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.
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.

- **Manual Takeoff**
  Left stick up (slowly) to take off
  Combination Stick Command to start/stop the motors

- **Manual Landing**
  Hold a few seconds to stop the motors
  Left stick down (slowly) until you touch the ground

- **Stop motor mid-flight**
  Stop motor mid-flight
  - 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.

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- **Video Recording Modes**
  HD: 1280×720 24/25/30/48/50/60/120p
  FHD: 1920×1080 24/25/30/48/50/60/120p
  2.7K: 2720×1530 24/25/30/48/50/60p
  C4K: 4096×2160 24/25/30p

- **Video Recording Modes**
  Interval: 2/3/5/7/10/15/30/60 s
  Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias
  Burst Shooting: 3/5/7/10/14 frames

- **Still Photography Modes**
  Single Shot
  Mechanical Shutter 8 - 1/2000 s
  ISO Range Video: 100 - 3200 (Auto); 100 - 6400 (Manual); Photo: 100 - 3200 (Auto); 100 - 12800 (Manual)

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

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

- **Transmitter Power (EIRP)**
  2.4 GHz: ≤26 dBm (FCC); ≤20 dBm (CE); ≤20 dBm (SRRC)
  5.8 GHz: ≤26 dBm (FCC); ≤14 dBm (CE); ≤20 dBm (SRRC)

- **Operating Environment**
  Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)

- **Lens**
  φ 1.7 mm

- **Sensor**
  1/2.3" CMOS

- **Lens**
  22 mm

- **Sensor**
  1/2.3" CMOS

- **Infrared Sensing System**
  0.6 - 23 ft (0.2 - 7 m)

- **Obstacle Sensory Range**
  2 - 98 ft (0.7 - 30 m)

- **Operating Range**
  ≤31 mph (50 kph) at 6.6 ft (2 m) above ground

- **Max Flight Time**
  38 min

- **Max Service Ceiling Above Sea Level**
  19685 ft (6000 m)

- **Max Descent Speed**
  S-mode: 4 m/s; P-mode: 3 m/s

- **Horizontal Hover Accuracy Range**
  ±0.3 m (With Vision Positioning); ±1.5 m (With GPS Positioning)

- **Vertical Hover Accuracy Range**
  ±0.1 m (With Vision Positioning); ±0.5 m (With GPS Positioning)

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- **Download the user manual for more information:**
  - Charger
  - Remote Controller
  - Camera
  - Infrared Sensing System
  - Vision System
  - Gimbal

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1. Watch the Tutorial Videos

Using Phantom 4 Pro+ V2.0

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

2. Check the Battery Levels

Remove the battery. Charge Time:

- High: ~2 hr 50 min
- Low:

3. Charge the Batteries

- When charging is complete, the battery level indicators will automatically turn off.
- 100 - 240V
- Power Outlet

4. Prepare the Remote Controller

- Internet
- Remove the gimbal clamp from
- with black dots.
- Unfold
- ● Check that the propellers are secure
- without black dots.
- the aircraft.
- Power on the remote controller and
- ● Press the propeller down
- DJI GO 4 and tap GO FLY.

5. Flight

- Manual Takeoff
- Auto Takeoff
- Normal
- Auto Landing
- Manual Landing

- It's important to understand basic flight guidelines, for the safety of both you and those around you.
- there are people nearby.
- of damage or injury. Refer to the user manual for details.
- mid-flight in emergency situations when doing so can reduce the risk
- while simultaneously pressing the RTH button. Only stop motors
- to start/stop the motors
- Combination Stick Command
- Point. Tap again to stop the procedure.
- Return-to-Home (RTH)
- an altitude of 4 feet (1.2 meters).
- The aircraft will take off and hover at
- • Auto Takeoff
- • Manual Takeoff
- • Auto Landing
- • Manual Landing

- Stop motor mid-flight: Pull the left stick to the bottom inside corner
- ● Stop motor mid-flight
- Left stick down (slowly)

Specifications

- Aircraft
  - Weight (Battery & Propellers Included): 1375 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); 36mph (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)
  - GNSS: GPS+GLONASS
  - Operating Frequency: 2.400 - 2.483 GHz and 5.725 - 5.850 GHz
  - Transmitter Power (EIRP): 2.4 GHz: ≤26 dBm (FCC); ≤20 dBm (CE); ≤20 dBm (SRRC)
  - Hover Accuracy Range: Vertical: ±0.1 m (With Vision Positioning); ±0.5 m (With GPS Positioning)
  - Horizontal: ±0.3 m (With Vision Positioning); ±1.5 m (With GPS Positioning)
  - Infrared Sensing System
  - Obstacle Sensory Range: 0.6 - 23 ft (0.2 - 7 m)
  - Operating Environment: Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)
  - 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)
  - Operating Environment: Surfaces with clear patterns and adequate lighting (> 15 lux)

- Camera
  - Sensor: 1" CMOS; Effective pixels: 20M
  - Lens: FOV (Field of View) 84°, 8.8 mm (35 mm format equivalent: 24 mm), (2.8 - f/11, auto focus at 1 m - ∞)
  - 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
  - Still Photography Modes: Single Shot
  - Video Recording Modes: H.265
  - Video Storage Bitrate: 100 Mbps
  - Supported File Systems: FAT32 (~ 32 GB); exFAT (> 32 GB)
  - 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 - 5.850 GHz
  - Max Transmission Distance: 2.4 GHz: 10 km (FCC); 6 km (CE); 6 km (SRRC)
  - Operating Temperature: 32° - 104° F (0° - 40° C)
  - Battery: 6000 mAh LiPo 2S
  - Transmitter Power (EIRP): 2.4 GHz: ≤26 dBm (FCC); ≤20 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
  - 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-v2

※ This Quick Start Guide is subject to change without prior notice.
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Quick Start Guide
v1.4
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