Quick Start Guide

V1.6
Aircraft

The DJI™ MAVIC™ Pro is DJI’s smallest flying camera, featuring a fully stabilized camera, Intelligent Flight Modes and Obstacle Avoidance inside a revolutionary folding design. It captures 4K videos and 12 megapixel photos, and is capable of both ActiveTrack™ and TapFly™ making complex shots effortless.

Mavic Pro boasts a maximum flight speed of 40 mph (65 kph) and a maximum flight time of 27 min*. In addition, the Mavic Pro Platinum has an extended max flight time of 30 min*, as well as a 60% noise reduction.

1. Gimbal and Camera
2. Downward Vision System
3. Forward Vision System**
4. Micro USB Port
5. Motors
6. Front LEDs
7. Propellers
8. Antennas
9. Link Button
10. Linking Status Indicator
11. Camera Micro SD Card Slot
12. Control Mode Switch
13. Intelligent Flight Battery
14. Battery Level LEDs
15. Power Button
16. Aircraft Status Indicator

* Maximum flight time was tested in 0 wind at a consistent 15.5 mph (25 kph). This value should be taken for reference only.
** The Forward Vision System is affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorial in the DJI GO™ 4 app or on the Official DJI website to learn more.

http://www.dji.com/mavic
Remote Controller

Built into the Remote Controller is DJI’s latest long-range transmission technology OCUSYNCTM, offering a maximum transmission range of 4.3 mi (7 km). An on-board LCD screen keeps you updated on aircraft data, and video from the aircraft to the DJI GO 4 app on your mobile device at up to 1080p at close range, and 720p at longer ranges. The Mavic Pro can also be flown by phone only.

Maximum run-time: 2.5 hours*

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<th>Remote Controller Macrophone Diagram</th>
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Folded

<table>
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<th>Remote Controller Diagram</th>
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<td>11. Gimbal Dial</td>
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<td>14. Shutter Button</td>
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<td>15. Power Port (Micro USB)</td>
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<tr>
<td>16. C1 Button (customizable)</td>
</tr>
<tr>
<td>17. C2 Button (customizable)</td>
</tr>
</tbody>
</table>

* 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 maximum run-time is tested under laboratory environment, only for your reference.
## Specifications

### Aircraft

<table>
<thead>
<tr>
<th>Spec</th>
<th>Mavic Pro Platinum</th>
<th>Mavic Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1.62 lbs (734 g)</td>
<td>1.64 lbs (743 g)</td>
</tr>
<tr>
<td>Max Ascent Speed</td>
<td>16.4 ft/s (5 m/s)</td>
<td>16.4 ft/s (5 m/s)</td>
</tr>
<tr>
<td>Max Descent Speed</td>
<td>9.8 ft/s (3 m/s)</td>
<td>9.8 ft/s (3 m/s)</td>
</tr>
<tr>
<td>Max Speed</td>
<td>40 mph (65 kph)</td>
<td>40 mph (65 kph)</td>
</tr>
<tr>
<td>Max Flight Time</td>
<td>30 min*</td>
<td>27 min*</td>
</tr>
<tr>
<td>Max Hovering Time</td>
<td>27 minutes</td>
<td>24 minutes</td>
</tr>
<tr>
<td>Max Flight Distance</td>
<td>9.3 mi (15 km)</td>
<td>8 mi (13 km)</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Sea Level</td>
<td>16404 feet (5000 m)</td>
</tr>
<tr>
<td>Operating Frequency</td>
<td>FCC: 2.4-2.4835 GHz; 5.150-5.250 GHz; 5.725-5.850 GHz</td>
<td>CE: 2.4-2.4835 GHz; 5.725-5.850 GHz</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 104° F (0° to 40° C)</td>
<td></td>
</tr>
<tr>
<td>Satellite Positioning Systems</td>
<td>GPS/GLONASS</td>
<td></td>
</tr>
<tr>
<td>Transmitter Power (EIRP)</td>
<td>2.4 GHz</td>
<td>2.4 GHz</td>
</tr>
</tbody>
</table>

### Gimbal

<table>
<thead>
<tr>
<th>Spec</th>
<th>Pitch: -90° to +30°, Roll: 0° or 90° (Horizontally and vertically)</th>
</tr>
</thead>
</table>

### Forward Vision System

<table>
<thead>
<tr>
<th>Spec</th>
<th>Sensing Range</th>
<th>Operating Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision measurement range</td>
<td>2 ft (0.7 m) to 49 ft (15 m)</td>
<td>Surfaces with clear patterns and adequate lighting (lux &gt; 15)</td>
</tr>
<tr>
<td>Detectable range</td>
<td>49 ft (15 m) to 98 ft (30 m)</td>
<td></td>
</tr>
</tbody>
</table>

### Downward Vision System

<table>
<thead>
<tr>
<th>Spec</th>
<th>Velocity Range</th>
<th>Altitude Range</th>
<th>Operating Range</th>
<th>Operating Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity Range</td>
<td>≤ 22.4 mph (36 kph) at 6.6 ft (2 m) above ground</td>
<td>1 - 43 feet (0.3 - 13 m)</td>
<td>1 - 43 feet (0.3 - 13 m)</td>
<td>Surfaces with a clear patterns and adequate lighting (lux &gt; 15)</td>
</tr>
</tbody>
</table>

### Camera

<table>
<thead>
<tr>
<th>Spec</th>
<th>Sensor</th>
<th>Lens</th>
<th>ISO Range</th>
<th>Electronic Shutter Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective pixels</td>
<td>1/2.3” CMOS</td>
<td>78.8° FOV, 28 mm (35 mm format equivalent) f/2.2</td>
<td>100 - 3200 (video), 100 - 1600 (photo)</td>
<td>8 s to 1/8000 s</td>
</tr>
<tr>
<td>Total pixels</td>
<td>12.35 Megapixels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(12.71 M)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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The DJI MAVIC Pro is DJI's smallest flying camera, featuring a fully stabilized camera, ActiveTrack™, and Intelligent Flight Modes and Obstacle Avoidance inside a revolutionary folding design. It captures 4K videos and 12 megapixel photos, and is capable of both ActiveTrack™ and Intelligent Flight Modes and Obstacle Avoidance inside a revolutionary folding design. It has a max flight time of 30 min*, as well as a 60% noise reduction.

**The Forward Vision System is affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorial in the DJI GO 4 app or on the Official DJI website to learn more.**

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### Specifications

**Aircraft**

- Max Image Size: 4000×3000
- Still Photography Modes: Single shot
- Burst shooting: 3/5/7 frames
- Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias
- Interval
- HDR

**Video Recording Modes**

- C4K: 4096×2160 24p, 4K: 3840×2160 24/25/30p
- 2.7K: 2720×1530 24/25/30p
- FHD: 1920×1080 24/25/30/48/50/60/96p
- HD: 1280×720 24/25/30/48/50/60/120p

**Video Storage Bitrate**

- 60 Mbps

**Supported File Systems**

- FAT32 (≤ 32 GB), exFAT (> 32 GB)

**Photo**

- JPEG, DNG

**Video**

- MP4, MOV (MPEG-4 AVC/H.264)

**Supported SD Cards**

- microSD™. Max capacity: 64 GB
  - Class 10 or UHS-1 rating required.

### Remote Controller

- Operating Frequency: 2.4 GHz to 2.4835 GHz
- Max Transmission Distance:
  - FCC: 4.3 mi (7 km); CE: 2.5 mi (4 km)
  - SRRC: 2.5 mi (4 km); Unobstructed and free of interference.
- Operating Temperature: 32° to 104° F (0° to 40° C)
- Battery: 2970 mAh
- Transmitter Power (avg. EIRP):
  - FCC: ≤ 26 dBm; CE: ≤ 20 dBm; SRRC: ≤20 dBm
- Operating Voltage: 950 mA @ 3.7 V
- Supported Mobile Device Size:
  - Thickness supported: 6.5 - 8.5 mm, Max length: 160 mm
  - Supported USB port types:
    - Lightning, Micro USB (Type-B), USB Type-C™

### Charger

- Voltage: 13.05 V
- Rated Power: 50 W

### Intelligent Flight Battery

- Capacity: 3830 mAh
- Voltage: 11.4 V
- Battery Type: LiPo 3S
- Energy: 43.6 Wh
- Net Weight: Approx. 0.5 lbs (240 g)
- Charging Temperature Range: 41° to 104° F (5° to 40° C)
- Max Charging Power: 100 W

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For more information, read the User Manual:
http://www.dji.com/mavic

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1. Download the DJI GO 4 App and Watch the Tutorial Videos

Search for ‘DJI GO 4’ on the App Store or Google Play, or scan the QR code to download the app on your mobile device. Watch the tutorial videos at www.dji.com or in the DJI GO 4 App.

DJI GO 4 app and more information

⚠️ DJI GO 4 supports iOS 9.0 (or later) or Android 4.4 (or later).

2. Check the Battery Levels

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

Low ⚠️ Battery Level ➔ High

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

Battery Level: 100%
3. Charge the Batteries

Remove Intelligent Flight Battery

Power Outlet 100 - 240V

Charge Time: ~1 hour 20 minutes

Charge Time: ~2 hours

4. Prepare the Remote Controller

Unfold the antennas and the mobile device clamp.

Place one end of the RC cable to the end of the slot.

Lightning connector cable (Connected) and Standard Micro USB connector cable included. Use as appropriate.

USB Type-C connector cable is included. Optional Reverse Micro USB connector cable is available.

- Choose an appropriate RC cable. Do not twist the RC cable.
- The RC cable slider must be replaced if using a USB Type-C RC cable. Refer to the User Manual for RC Cable connection.
5. Prepare the Aircraft

Remove the gimbal clamp from the camera
Match propellers to motors
Press the propeller down firmly and rotate in the lock direction

Unfold the front arms and the propellers
Unfold the rear arms and the propellers

Unfolded

• Unfold the front arms and the propellers before the rear ones. All arms and propellers must be unfolded before takeoff.
• The gimbal cover is used to protect the gimbal. Remove it when necessary.

6. Prepare for Takeoff

Power on the remote controller
Power on the aircraft
Launch the DJI GO 4 app

Use your DJI account to activate the aircraft. Activation requires an internet connection.

• The Mavic Pro can be controlled using the Remote Controller or Virtual Joysticks. Select control modes by toggling the Control Mode Switch. Only toggle this switch when the aircraft is powered off.
7. Flight

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.

Before taking off, make sure the Aircraft Status Bar in the DJI GO 4 app or on the Remote Controller LCD screen displays ‘Ready to Go’.

Combination stick command to start/stop the motors

Left stick up (slowly) to take off

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

• The motors can only be stopped mid-flight when the flight controller detects critical error.
• Controlling flight with Virtual Joysticks on your mobile device via Wi-Fi

1. Toggle the Control Mode Switch to turn on Wi-Fi
2. Power on the aircraft
3. Launch the DJI GO 4 app and tap the icon on the top right of your screen, then scan the Wi-Fi QR Code on the front arm to start connection
4. Tap Auto Takeoff
5. Fly the aircraft with touch control

⚠️ • Turn on your mobile device’s Wi-Fi and enter the Wi-Fi password shown on the front arm to connect to the Mavic network if for any reason you cannot scan the QR code.
• When using Wi-Fi in a wide open area with no Electro-Magnetic Interference, transmission distance is approximately 262 ft (80 m) at an altitude of 164 ft (50 m).
• The Wi-Fi frequency of your mobile device can be set to 2.4 Ghz or 5 Ghz. Set your Wi-Fi to 5 Ghz for less interference. Once connected to the Mavic Pro, you can change your Wi-Fi password or reset your Wi-Fi connection. (Refer to the User Manual for more information)

• In the DJI GO 4 App

Auto Takeoff  Auto Landing  Return-to-Home (RTH)

ActiveTrack  TapFly  Normal

⚠️ • 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.
8. Fly Safe

- Fly in Open Areas
- Strong GPS Signal
- Maintain Line of Sight
- Fly Below 400 feet (120 m)

Avoid flying over or near obstacles, crowds, high voltage power lines, trees or bodies of water. DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.

DO NOT use the aircraft in adverse weather conditions such as rain, snow, fog and wind speeds exceeding 10 m/s or 22 mph.

Stay away from the rotating propellers and motors.

Learn more at: http://flysafe.dji.com/no-fly

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.