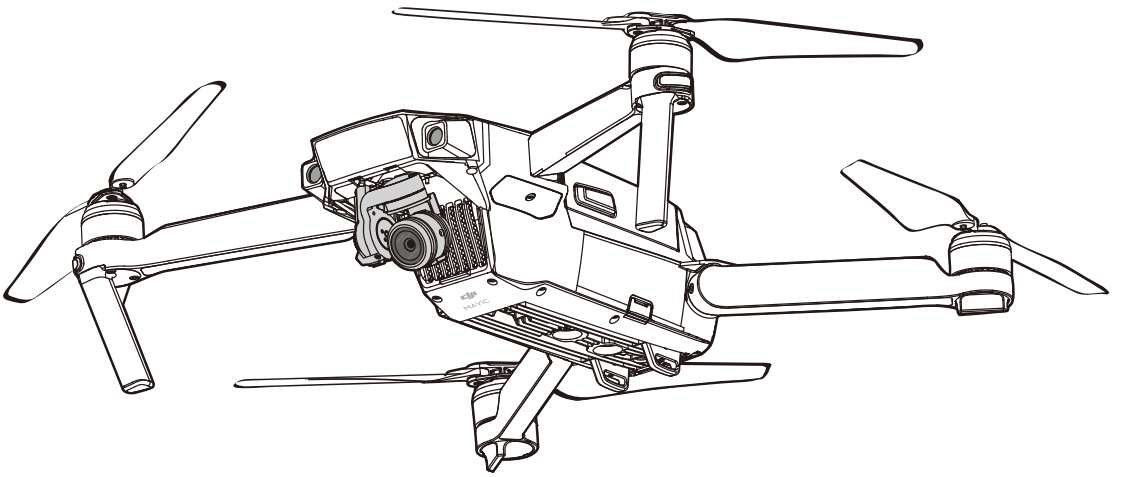
MAVIC PRO

Quick Start Guide

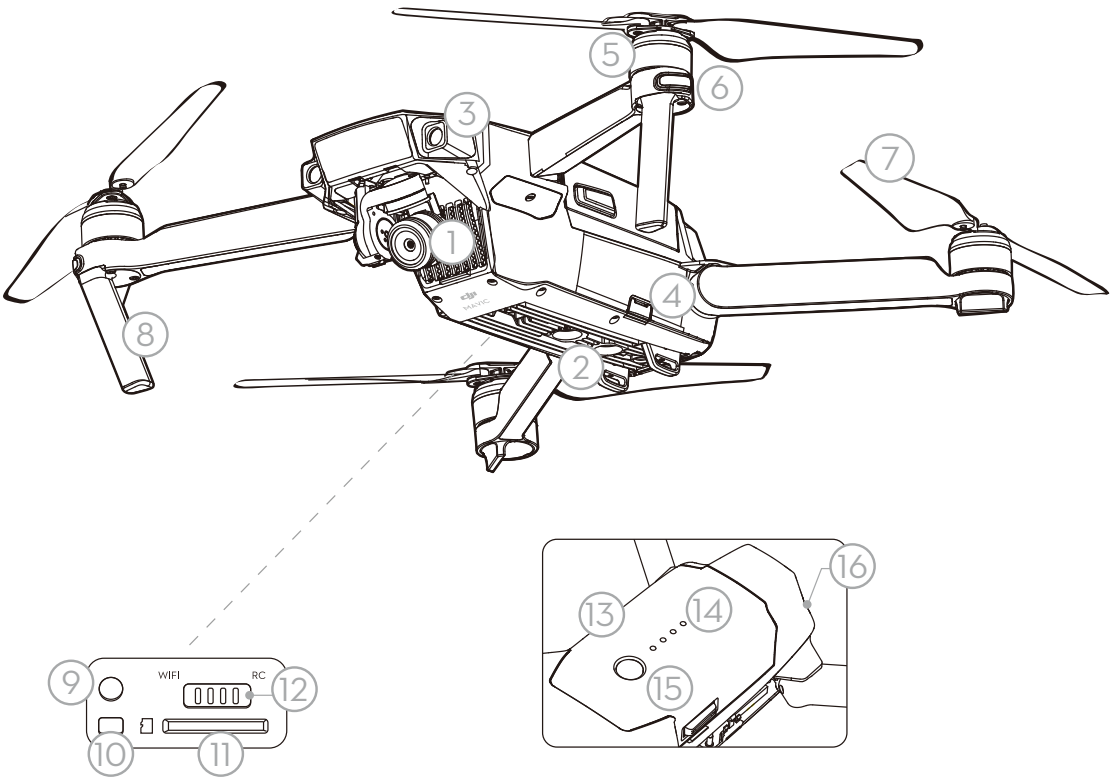
V1.0



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 minutes*.



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

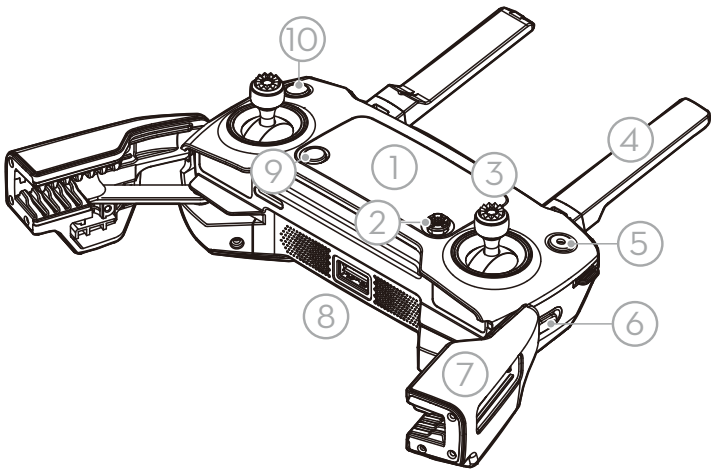
* Maximum flight time was tested in 0 wind at a consistent 15.5 mph (25 kph). This value should be taken for reference only.

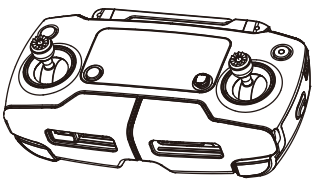
** The Forward Vision System is affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorial in the DJI GO™ app or on the Official DJI website to learn more. **http://www.dji.com/mavic**

Remote Controller

Built into the Remote Controller is DJI's latest long-range transmission technology OCUSYNC™, 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 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*

1. LCD Screen
2. 5D Button
3. Control Sticks
4. Antennas
5. Power Button
6. Flight Mode Switch
7. Mobile Device Clamp
8. USB Port
9. Flight Pause Button
10. RTH Button





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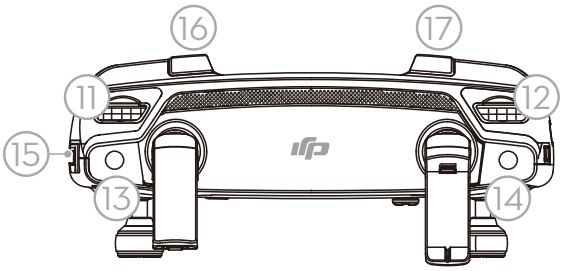

11. Gimbal Dial
12. Camera Settings Dial
13. Record Button
14. Shutter Button
15. Power Port (Micro USB)
16. C1 Button (customizable)
17. C2 Button (customizable)

* 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

Weight	1.62 lbs (734 g)
Weight (including gimbal cover)	1.64 lbs (743 g)
Max Ascent Speed	16.4 ft/s (5 m/s) in Sport Mode
Max Descent Speed	9.8 ft/s (3 m/s)
Max Speed	40 mph (65 kph) in Sport Mode without wind
Max Service Ceiling Above Sea Level	16404 feet (5000 m)
Max Flight Time	27 minutes (0 wind at a consistent 15.5 mph (25 kph))
Max Hovering Time	24 minutes (0 wind)
Max Flight Distance	8 mi (13 km, 0 wind)
Operating Temperature	32° to 104° F (0° to 40° C)
Satellite Positioning Systems	GPS/GLONASS

- Gimbal

Controllable Range	Pitch: -90° to +30°, Roll: 0°or 90° (Horizontally and vertically)

- Forward Vision System

Sensing Range	Precision measurement range: 2 ft (0.7 m) to 49 ft (15 m) Detectable range: 49 ft (15 m) to 98 ft (30 m)
Operating Environment	Surfaces with clear patterns and adequate lighting (lux > 15)

- Downward Vision System

Velocity Range	≤ 22.4 mph (36 kph) at 6.6 ft (2 m) above ground
Altitude Range	1 - 43 feet (0.3 - 13 m)
Operating Range	1 - 43 feet (0.3 - 13 m)
Operating Environment	Surfaces with a clear patterns and adequate lighting (lux > 15)

- Camera

Sensor	1/2.3” CMOS Effective pixels:12.35 Megapixels (Total pixels: 12.71 M)
Lens	78.8° FOV, 28 mm (35 mm format equivalent) f/2.2 Distortion <1.5% Focus from 0.5 m to ∞
ISO Range	100 - 3200 (video), 100 - 1600 (photo)
Electronic Shutter Speed	8 s to 1/8000 s
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

Video Recording Modes	C4K: 4096×2160 24p, 4K: 3840×2160 24/25/30p 2.7K: 2704×1520 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 Compliant: 4.3 mi (7 km); CE Compliant: 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
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

For more information, read the User Manual:

http://www.dji.com/mavic

※This content is subject to change without prior notice.

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

Search for ‘DJI GO’ 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 App.

DJI GO app and more information

- DJI GO supports iOS 8.0 (or later) or Android 4.3 (or later).

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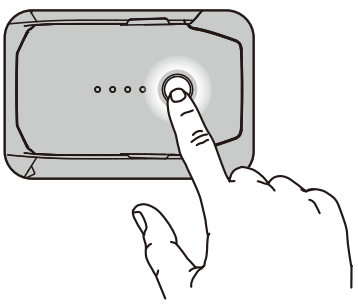
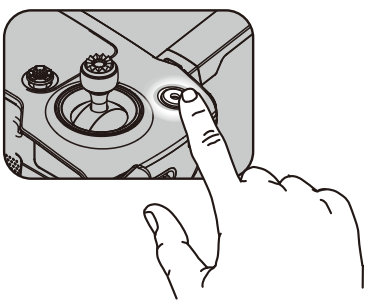
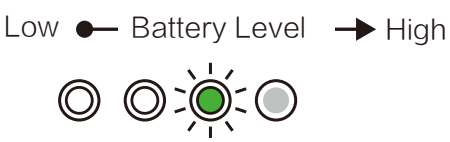
2. Check the Battery Levels





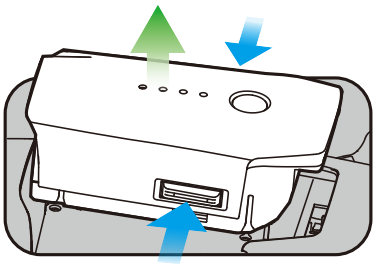


Battery Level: 100%

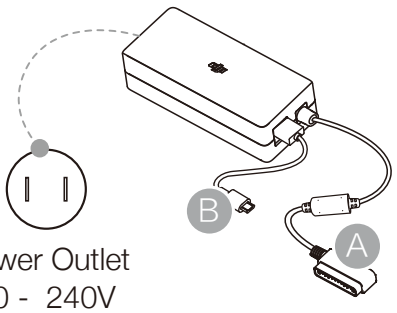
Press once to check the battery level. Press once, then again and hold to turn on/off.

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

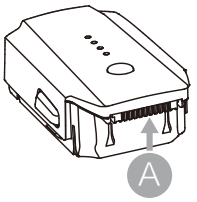
3. Charge the Batteries



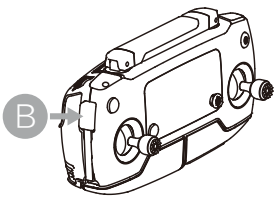
Remove Intelligent Flight Battery



Power Outlet
100 - 240V

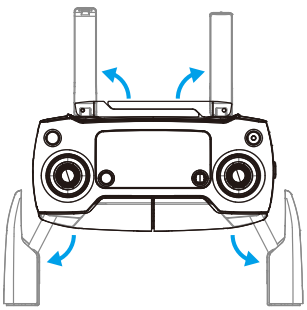


Charge Time:
~1 hour 20 minutes

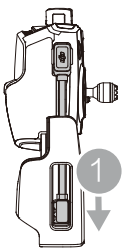


Charge Time:
~2 hours

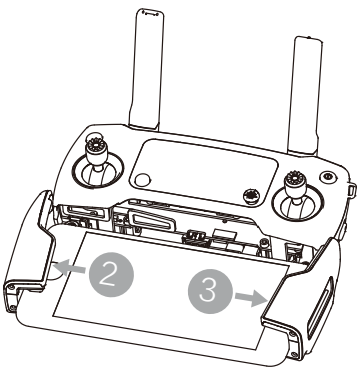
4. Prepare the Remote Controller



Unfold the antennas and the mobile device clamp.



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



Strong

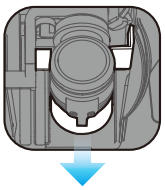
Weak

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

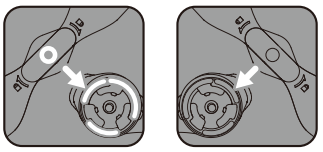
Optional USB Type-C connector and Reverse Micro USB connector cables are available.

- Choose an appropriate RC cable. Do not twist the RC cable.
- Refer to the User Manual for RC Cable connection.

5. Prepare the Aircraft

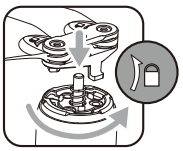


Remove the gimbal clamp from the camera

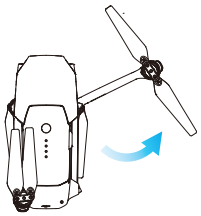


Marked Unmarked

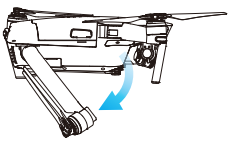
Match propellers to motors



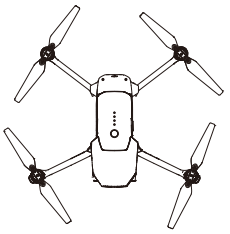
Press the propeller down firmly and rotate in the lock direction



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.

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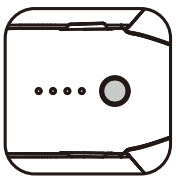
6. Prepare for Takeoff

Power on the remote controller



Power on the aircraft

Launch the DJI GO app

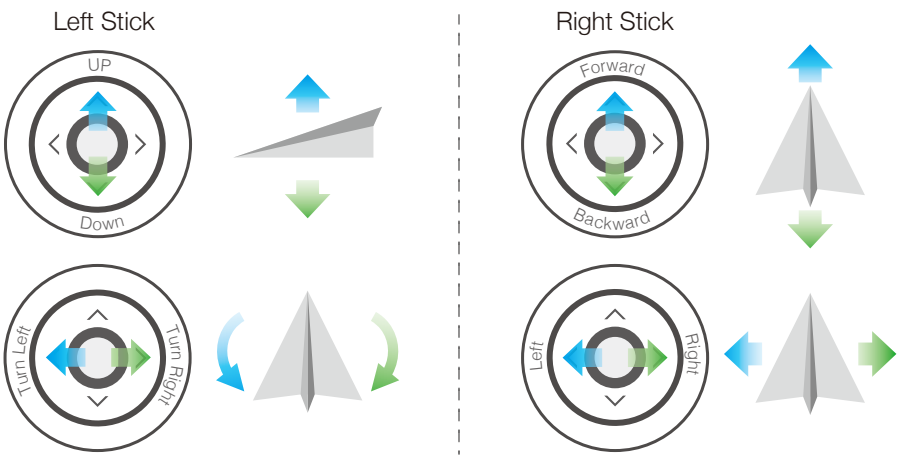
Internet

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 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 DJI GO app will display a landing prompt if the aircraft descends below 12in (30 cm). Pull down on the throttle or use the auto landing slider to land.
- 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 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 App


Auto Takeoff


Auto Landing


Return-to-Home (RTH)

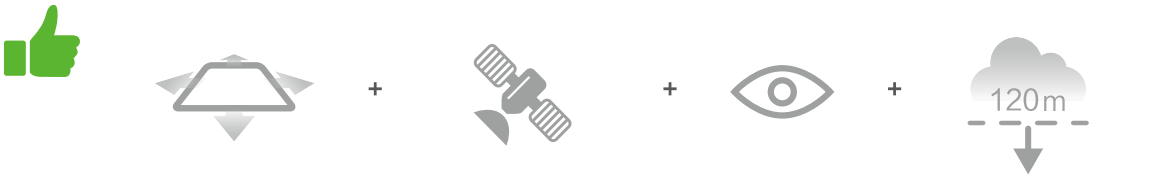

ActiveTrack


TapFly

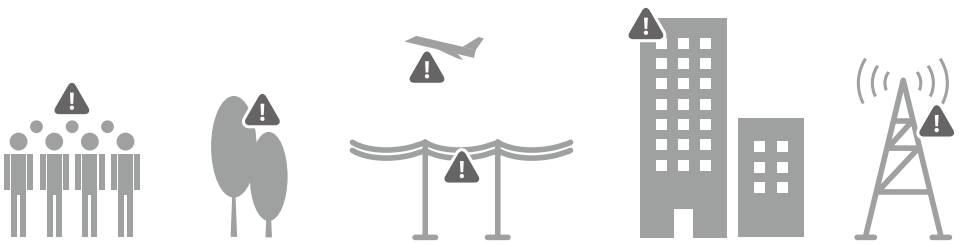

Normal

- 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.

8. Fly Safe

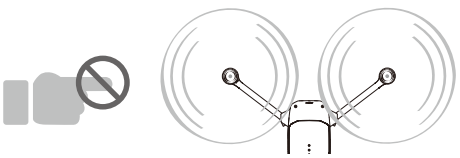


Fly in Open Areas + Strong GPS Signal + Maintain Line of Sight + Fly Below 400 feet (120 m)



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.

No Fly Zone

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*.

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