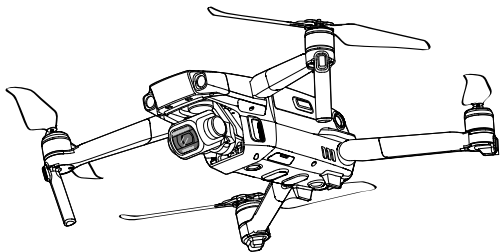


MAVIC 2 PRO

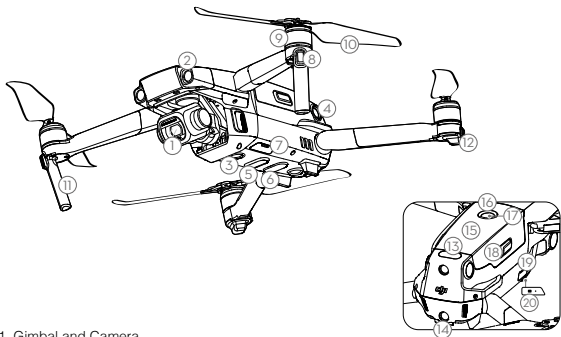
Quick Start Guide

V1.2



Aircraft

The DJI™ MAVIC™ 2 Pro features omnidirectional Vision Systems and Infrared Sensing Systems*, and a fully stabilized 3-axis gimbal with a 1" CMOS sensor camera (jointly developed by DJI and Hasselblad) that shoots 4K video and 20-megapixel photos. DJI signature technologies such as Obstacle Sensing and Intelligent Flight Modes like HyperLapse, ActiveTrack™ 2.0, QuickShot, Panorama, and Advanced Pilot Assistance Systems, help you capture complex shots effortlessly. The Mavic 2 Pro boasts a maximum flight speed of 44.7 mph (72 kph) and a maximum flight time** of 31 minutes.



- | | | |
|-------------------------------------|------------------------------------|--|
| 1. Gimbal and Camera | 9. Motors | 16. Battery Level LEDs |
| 2. Forward Vision System | 10. Propellers | 17. Power Button |
| 3. Downward Vision System | 11. Antennas | 18. Battery Buckles |
| 4. Lateral Vision System | 12. Aircraft Status Indicator | 19. USB-C Port |
| 5. Downward Infrared Sensing System | 13. Upward Infrared Sensing System | 20. Link Button/Linking Status Indicator |
| 6. Auxiliary Bottom Light | 14. Backward Vision System | |
| 7. microSD Card Slot | 15. Intelligent Flight Battery | |
| 8. Front LEDs | | |

* The Vision Systems and Infrared Sensing Systems are affected by surrounding conditions. Read the Disclaimer and Safety Guidelines, User Manual, and watch the tutorial videos in the DJI GO™ 4 app or on the official DJI website to learn more. <http://www.dji.com/mavic-2>

** Maximum flight time was tested in an environment with no wind while flying at a consistent 15.5 mph (25 kph). This value is for reference only.

Remote Controller

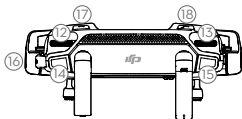
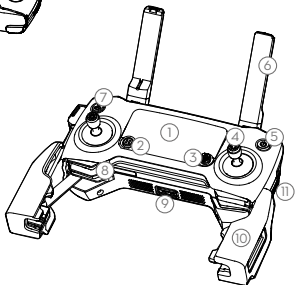
Built into the remote controller is the DJI's long-range transmission technology OCUSYNC™ 2.0, offering a maximum transmission range of 5 mi (8 km) and displaying video from the aircraft to the DJI GO 4 app on your mobile device at up to 1080p. An on-board LCD screen gives real-time aircraft data information and the detachable control sticks make the remote controller easier to store.

Maximum run time: 2 hours and 15 minutes*



Folded

1. LCD Screen
2. Flight Pause Button
3. 5D Button
4. Removable Control Sticks
5. Power Button
6. Antennas
7. RTH Button
8. Control Sticks Storage Slot
9. Reserve Video-Downlink Port (USB)
10. Mobile Device Clamp
11. Flight Mode Switch



12. Gimbal Dial
13. Aperture/Shutter Adjustment Dial
14. Record Button
15. Focus/Shutter Button
16. Video-Downlink/Power Port (micro USB)
17. C1 Button (Customizable)
18. C2 Button (Customizable)

* The remote controller is able to reach its maximum transmission distance (FCC) in a wide-open area with no electromagnetic interference at an altitude of about 400 ft (120 m). The maximum runtime is tested in a laboratory environment. This value is for reference only.

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

Search "DJI GO 4" in the App Store or Google Play or scan the QR code below to download the app on your mobile device.




DJI GO 4

Watch the tutorial videos at www.dji.com/mavic-2/info#video or in DJI GO 4 by tapping the icon in the top right corner of your screen.



Tutorial videos

 DJI GO 4 is compatible with iOS 10.0.2 (or later) or Android 5.0 (or later).

2. Preparing the Aircraft



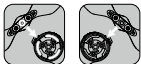
Remove the gimbal cover from the camera.



Unfold the front arms.



Unfold the rear arms.



Marked Unmarked


Match the propellers to motors.



Press the propellers down firmly and rotate in the lock direction.

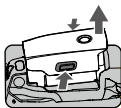


Unfolded

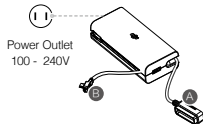
 Unfold the front arms and the propellers before the rear ones. All arms and propellers must be unfolded before takeoff.

3. Charging the Batteries

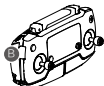
Use the provided charger to fully charge the Intelligent Flight Battery before first use.



Remove the Intelligent Flight Battery



Charging Time:
~1 hour 30 minutes

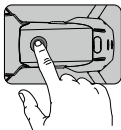


Charging Time:
~2 hour 15 minutes

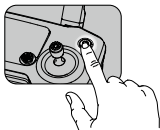


Remove the remote controller cable before charging.

• Checking the Battery Levels and Powering On/Off



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

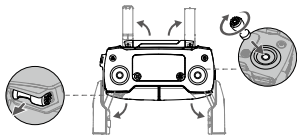


BAT 100 PCT

Press once to check the battery level on
the LCD screen.

Press once, then press and hold to turn on/
off the remote controller.

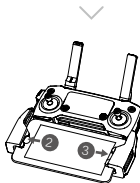
4. Preparing the Remote Controller



Unfold the antennas and mobile device clamps, then attach the control sticks.



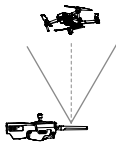
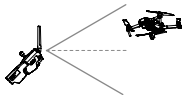
Place one end of the RC cable to the end of the slot.



Attach your mobile device within the clamps.



Set the antennas parallel to each other



Optimal Transmission Range



- Ensure the control sticks are firmly mounted.
- The remote controller cable with the Lightning connector is mounted by default. Use the appropriate cable for your mobile device to connect to the remote controller. When using an iPad or tablet, use the USB port on the remote controller.
- Do not use the Micro USB and the USB ports simultaneously for linking video.

5. Preparing for Takeoff



Power on the remote controller



Power on the aircraft



Launch DJI GO 4



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

6. Flight

Before taking off, make sure the Aircraft Status Bar in DJI GO 4 displays "Ready to Go".

Ready to Go (GPS)

• Auto Takeoff / Landing



Auto Takeoff



Auto Landing

• Manual Takeoff / Landing

Combination stick command to start/stop the motors



OR



Left stick up (slowly)
to take off



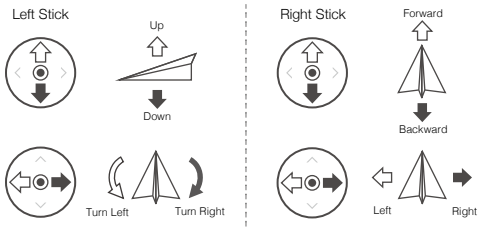
Left stick down (slowly) until you touch the ground
Hold a few seconds to stop the motors



The motors can only be stopped mid-flight when the flight controller detects critical error.

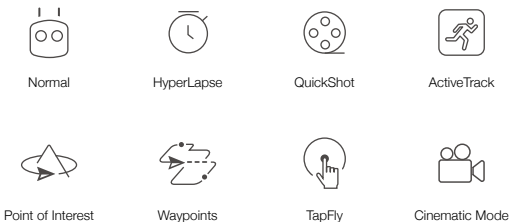
• Remote Controller Operation


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.



 Press the Flight Pause button for emergency braking during flight.

• In DJI GO 4



- 
- Watch the tutorials in DJI GO 4 or at 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.

7. 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://fllysafe.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**.

Specifications

• Aircraft

| | |
|-------------------------------------|--|
| Weight | 907 g |
| Max Speed | 44.7 mph (72 kph) in Sport mode without wind |
| Max Service Ceiling Above Sea Level | 19685 ft (6000 m) |
| Operating Temperature | 14° to 104° F (-10° to 40° C) |
| GNSS | GPS + GLONASS |
| Operating Frequency | 2.4-2.4835 GHz; 5.725-5.850 GHz |
| Transmitter Power (EIRP) | 2.4 GHz FCC: ≤26 dBm; CE/MIC: ≤20 dBm; SRRC: ≤20 dBm 5.8 GHz FCC: ≤26 dBm; CE: ≤14 dBm; SRRC: ≤26 dBm |

• Gimbal

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

• Camera

| | |
|--------------------------|---|
| Sensor | 1" CMOS; Effective pixels: 20M |
| Lens | FOV: approx. 77° 35 mm format equivalent: 28 mm Aperture: f/2.8-f/11 Focus: 1 m to ∞ |
| ISO Range | Video: 100-6400 Photo: 100-3200 (auto); 100-12800 (manual) |
| Electronic Shutter Speed | 8-1/8000 s |
| Max Image Size | 5472×3648 |
| Still Photography Modes | Single shot Burst shooting: 3/5 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias Interval |
| Video Recording Modes | 4K Ultra HD: 3840×2160 24/25/30p 2.7K: 2688×1512 24/25/30/48/50/60p FHD: 1920×1080 24/25/30/48/50/60/120p |
| Video Storage Bitrate | 100 Mbps |
| Photo | JPEG, DNG (RAW) |
| Video | MP4, MOV (MPEG-4 AVC/H.264, HEVC) |
| Supported SD Cards | microSD Max Capacity: 128 GB (UHS-I Speed Grade 3 rating required) |

• Remote Controller

| | |
|---|--|
| Operating Frequency | 2.4-2.4835 GHz; 5.725-5.850 GHz |
| Max Transmission Distance (Unobstructed and free of interference) | FCC: 5 mi (8 km); CE/MIC: 3.1 mi (5 km); SRRC: 3.1 mi (5 km) |
| Operating Temperature | 32° to 104° F (0° to 40° C) |
| Battery | 3950mAh @ 3.83V |

| | |
|-------------------------------------|---|
| Transmitter Power (EIRP) | 2.4 GHz FCC: ≤26 dBm; CE/MIC: ≤20 dBm; SRRC: ≤20 dBm 5.8 GHz FCC: ≤26 dBm; CE: ≤14 dBm; SRRC: ≤26 dBm |
| Operating Voltage | 1800mA @ 3.83V (when charging the mobile device) |
| 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-C |
| • Charger | |
| Voltage | 17.6±0.1 V |
| Rated Power | 60 W |
| • Intelligent Flight Battery | |
| Capacity | 3850 mAh |
| Voltage | 17.6 V (max) 15.4 V (typical) |
| Battery Type | LiPo 4S |
| Energy | 59.29 Wh |
| Net Weight | Approx. 297 g |
| Charging Temperature Range | 41° to 104° F (5° to 40° C) |
| Max Charging Power | 80 W |

For more information, read the User Manual:
<http://www.dji.com/mavic-2>

※ This content is subject to change without prior notice.

MAVIC 2 PRO



For online support, please scan this code
with Facebook Messenger



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