

MAVIC 2 ENTERPRISE

Quick Start Guide

快速入门指南

快速入門指南

クイックスタートガイド

퀵 스타트 가이드

Kurzanleitung

Guía de inicio rápido

Guide de démarrage rapide

Guida di avvio rapido

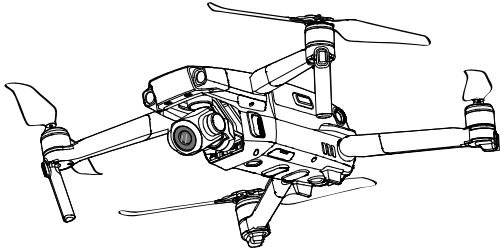
Snelstartgids

Guia de início rápido

Guia de Inicio Rápido

Краткое руководство пользователя

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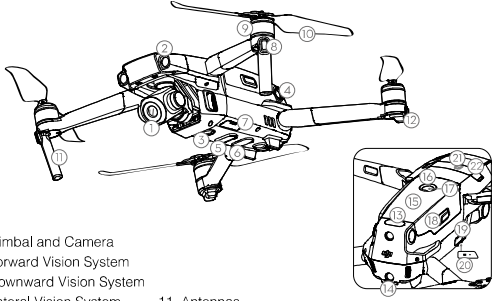


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Aircraft

The DJI™ MAVIC™ 2 Enterprise features omnidirectional Vision Systems and Infrared Sensing Systems*, and comes with a fully stabilized 3-axis gimbal camera with an equivalent 24-48 mm 2x optical Enterprise lens capable of shooting 4K videos and 12-megapixel photos that support up to 6x FHD zoom. DJI signature technologies such as Obstacle Sensing and the Advanced Pilot Assistance System, help you capture complex shots effortlessly. Additional features like the built-in AirSense makes you aware of your surrounding airspace, and password protection helps you maintain secure access to your aircraft and protect your data. The Mavic 2 Enterprise also has attachable modular accessories like the M2E Spotlight, M2E Beacon and M2E speaker that are purpose built for various applications. The Mavic 2 Enterprise boasts a maximum flight speed of 44.7 mph (72 kph) and a maximum flight time** of 31 minutes.



- | | | |
|-------------------------------------|------------------------------------|--------------------------------------------|
| 1. Gimbal and Camera | 11. Antennas | 18. Battery Buckles |
| 2. Forward Vision System | 12. Aircraft Status Indicator | 19. USB-C Port |
| 3. Downward Vision System | 13. Upward Infrared Sensing System | 20. Link Button/Linking Status Indicator |
| 4. Lateral Vision System | 14. Backward Vision System | 21. Extended Port (to connect accessories) |
| 5. Downward Infrared Sensing System | 15. Intelligent Flight Battery | 22. Extended Port Cover |
| 6. Auxiliary Bottom Light | 16. Battery Level LEDs | |
| 7. MicroSD Card Slot | 17. Power Button | |
| 8. Front LEDs | | |
| 9. Motors | | |
| 10. Propellers | | |

* 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 on the official DJI website to learn more. <http://www.dji.com/mavic-2-enterprise>

** 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

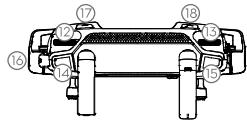
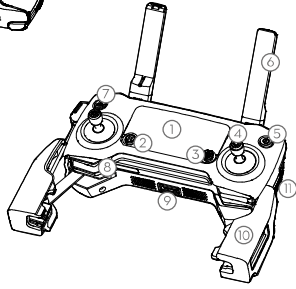
Built into the remote controller is the DJI's long-range transmission technology OcuSync™ 2.0, offering a maximum transmission range of 6.2 mi (10 km) and displaying video from the aircraft to the DJI Pilot app on your mobile device at up to 1080p. An on-board LCD screen gives real-time aircraft data 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. SD 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. Zoom 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 Pilot App and Watch the Tutorial Videos

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



DJI Pilot

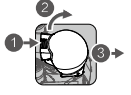
Watch the tutorial videos at www.dji.com/mavic-2-enterprise/info#video.



Tutorial videos

⚠ DJI Pilot is compatible with iOS 10.0 (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



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

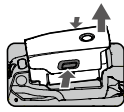


Unfolded

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

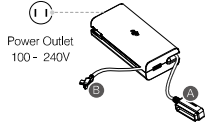
3. Charging the Batteries

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

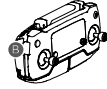


13

Remove the Intelligent Flight Battery



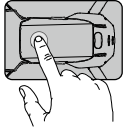
Charging Time:
~1 hour 30 minutes



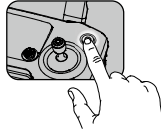
Charging Time:
~2 hour 15 minutes

⚠ 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.

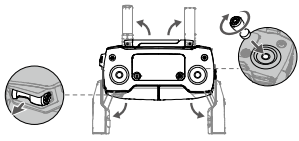


BAT 100 PCT

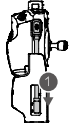
Press once to check the battery level on the LCD screen.
Press once, then press and hold to turn on/off the remote controller.

⚠ Install the battery to the aircraft and power it on. Once the battery temperature is lower than 6° C, it will auto heat to maintain a temperature between 8-10° C. Refer to the User Manual for more details.

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.

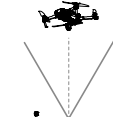
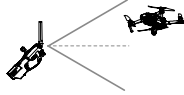


Strong



Weak

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 Pilot

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



Set a password for the aircraft in the DJI Pilot app to ensure secure access and protect your onboard data.

6. Flight

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

Ready to Go (GPS)

Manual Takeoff / Landing

Combination stick command to start/stop the motors



OR



Left stick up (slowly) to take off



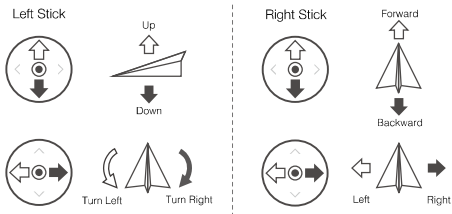
Left stick down (slowly) until you touch the ground
Hold a few seconds to stop the motors



Only stop motors mid-flight in emergency situations when doing so can reduce the risk of damage or injury. The method to stop the motor can be set in DJI Pilot.

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.



- ⚠ 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.
- Press the Flight Pause button for emergency braking during flight.

Modular Accessories



M2E Beacon



M2E Spotlight



M2E Speaker

7. Fly Safe



Fly in Open Areas

+



Strong GPS Signal

+



Maintain Line of Sight

+



Fly Below 400 Feet (120 m)

120



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	905 g
Max Speed	44,7 mph (72 kph) in Sport mode without wind
Max Service Ceiling Above Sea Level	19885 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
Internal Storage	24 GB

• Gimbal

Controllable Range	Pitch: -90° to +30°
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• Camera

Sensor	1/2.3" CMOS; Effective pixels: 12M
Lens	FOV: approx. 83° (24 mm), approx. 48° (48 mm) 35 mm format equivalent: 24-48 mm Aperture: f/2.8 (24 mm) - f/3.8 (48 mm) Focus: 0.5 m to ∞
ISO Range	Video: 100-3200 Photo: 100-1600 (auto); 100-12800 (manual)
Electronic Shutter Speed	8-1/8000 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 0,7 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: 10 km; CE/MIC: 6 km; SRRC: 6 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
Auto Heating Temperature Range	-4° to 43° F (-20° to 6° C)
Auto Heating Time	600 s (max)
Auto Heating Power	35 W (max)



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

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