

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

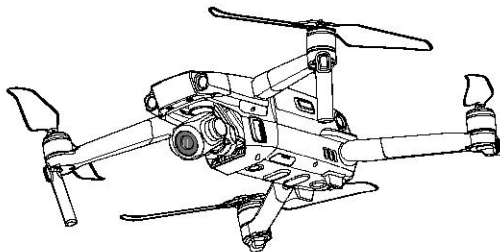
Snelstartgids

Guia de início rápido

Guia de Início Rápido

Краткое руководство пользователя

V1.0

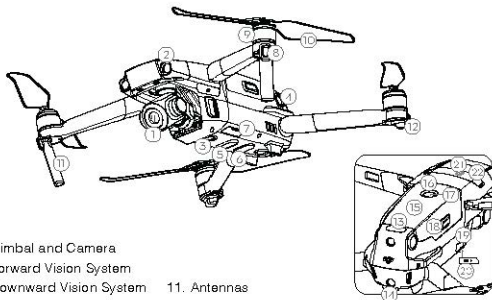


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Aircraft

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

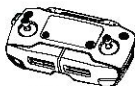
* The Vision Systems and Infrared Sensing Systems are affected by surrounding conditions. Read the Disclaimer and Safety Guidelines, User Manual, and watch the tutorial videos on the official DJI website to learn more. www.dji.com/mavic-2-enterprise

** 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

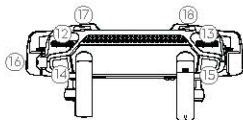
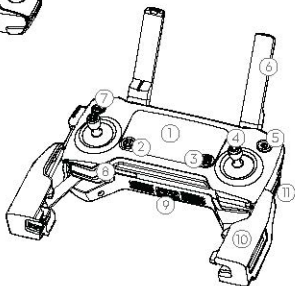
Built into the remote controller is the DJI's long-range transmission technology OCUSSYNC™ 2.0, offering a maximum transmission range of 5 mi (8 km) and displaying video from the aircraft to the DJI Pilot app on your mobile device at up to 1080p. An on-board LCD screen gives real-time aircraft data information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

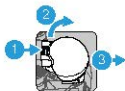


Tutorial videos



DJI Pilot is compatible with iOS 9.0 (or later) or Android 4.4.0 (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.



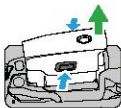
Unfolded



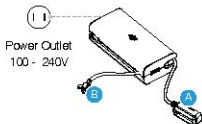
Unfold the front arms and the propellers before the rear ones. All arms and propellers must be unfolded before takeoff.

3. Charging the Batteries

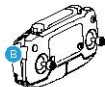
Use the provided charger to fully charge the Intelligent Flight Battery before first use.



Remove the Intelligent Flight Battery



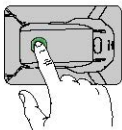
Charging Time:
~1 hour 30 minutes



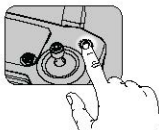
Charging Time:
~2 hour 15 minutes

! 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.



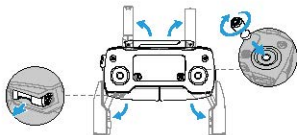
BAT 100 PCT

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

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

! 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.



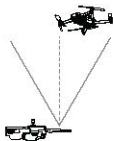
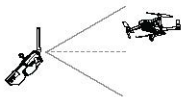
Place one end of the RC cable to the end of the slot.



Attach your mobile device within the clamps.



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



Internet

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)

• 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



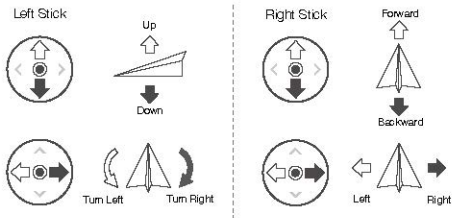
Left stick down (slowly) until you touch the ground
Hold a few seconds to stop the motors



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.



- 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)



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*.

Specifications

▪ Aircraft

Weight	905 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
Internal Storage	24 GB

▪ Gimbal

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

▪ 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); 100-3200 (manual)
Electronic Shutter Speed	8-1/8000 s
Max Image Size	4000x3000
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: 3840x2160 24/25/30p 2.7K: 2688x1512 24/25/30/48/50/60p FHD: 1920x1080 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	3850mAh @ 3.83V
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	14° to 43° F (-10° to 6° C)
Auto Heating Time	500 s (max)
Auto Heating Power	55 W (max)

For more information, read the User Manual:

www.dji.com/mavic-2-enterprise

※ This content is subject to change without prior notice.

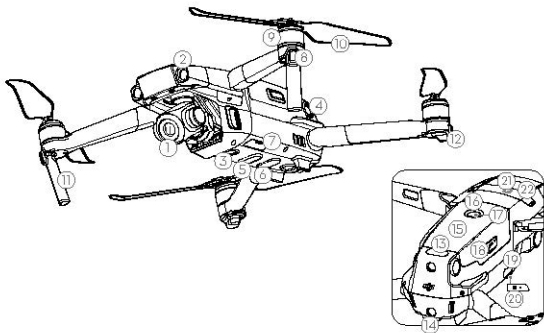
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认识 Mavic 2 Enterprise

MAVIC™ 2 Enterprise 飞行器配备先进的全方位视觉系统及红外传感系统^{*}，可在室内外稳定悬停、飞行，具备自动返航、障碍物感知以及辅助飞行功能。飞行器内置 DJI AirSense 可检测周围航空器情况，支持密码保护以保障设备及数据安全，并且可搭载指定配件以适应不同应用场景。Mavic 2 Enterprise 配备高精度增稳云台和等效 24-48 mm 的两倍光学变焦镜头，可稳定拍摄 4K 超高清视频与 1200 万像素照片，最高支持 FHD 6 倍变焦。最大飞行速度为 72 km/h，最长飞行时间^{**}约为 31 分钟。



- | | | |
|-------------------|--------------|--------------------------|
| 1. 一体式云台相机 | 10. 螺旋桨 | 17. 电池开关 |
| 2. 前视视觉系统 | 11. 天线 | 18. 电池卡扣 |
| 3. 下视视觉系统 | 12. 飞行器状态指示灯 | 19. 调参 / 数据接口
(USB-C) |
| 4. 侧视视觉系统 | 13. 顶部红外传感系统 | 20. 对频按键 / 对频指示灯 |
| 5. 底部红外传感系统 | 14. 后视视觉系统 | 21. 扩展接口 (可连接配件) |
| 6. 下视补光灯 | 15. 智能飞行电池 | 22. 扩展接口保护盖 |
| 7. 相机 Micro SD 卡槽 | 16. 电池电量指示灯 | |
| 8. 飞行器机头指示灯 | | |
| 9. 电机 | | |

^{*} 视觉系统及红外传感系统有使用环境与条件要求，请阅读《免责声明与安全概要》及《用户手册》了解安全注意事项，并在 DJI™ 官方网站观看教学视频以正确使用相关功能。

www.dji.com/mavic-2-enterprise

^{**} 最长飞行时间为无风环境时以 25 km/h 匀速飞行时测得。

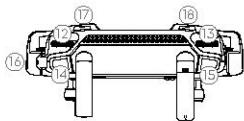
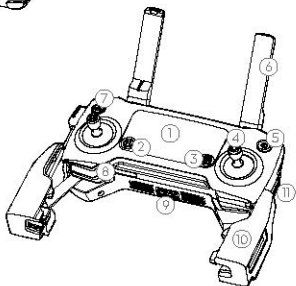
遥控器

Mavic 2 Enterprise 遥控器采用 OCUSSYNC™ 2.0 高清图传技术，配合完备的功能按键可在最大 8 千米* 通信距离内完成飞行器与相机的操作与设置，并可通过 DJI Pilot App 在移动设备实时显示高清画面。遥控器状态显示屏可实时显示飞行参数等信息，折叠式手柄可稳定放置移动设备，可拆卸摇杆设计更便于遥控器收纳。最长工作时间* 约为 2 小时 15 分钟。



折叠状态

1. 状态显示屏
2. 急停按键
3. 五维按键
4. 可拆卸摇杆
5. 电源按键
6. 天线
7. 智能返航按键
8. 摇杆收纳槽
9. 备用图传接口 (USB)
10. 手柄
11. 飞行模式切换开关



12. 云台俯仰控制拨轮
13. 焦距调节拨轮
14. 录影按键
15. 对焦 / 拍照按键
16. 主图传 / 充电接口 (Micro USB)
17. 自定义功能按键 C1
18. 自定义功能按键 C2

* 在开阔无遮挡、无电磁干扰的环境飞行，并且飞行高度为 120 米左右，在 FCC 标准下遥控器可以达到最大通信距离。最长可工作时间为实验环境下测得，仅供参考。

1. 下载 DJI Pilot App 和观看教学视频

CHS

请使用移动设备扫描下方二维码或在软件商店
下载安装 DJI Pilot App。



下载 DJI Pilot

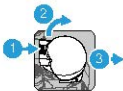
观看教学视频：
访问 DJI 官方网站 www.dji.com/mavic-2-enterprise
观看教学视频。



教学视频

 DJI Pilot App 要求使用 iOS 9.0 及以上系统或 Android 4.4.0 及以上系统。

2. 准备飞行器



移除云台保护罩



展开前机臂



展开后机臂



白色标记 无标记

匹配标记安装螺旋桨



嵌入桨座按压到底，沿锁
紧方向旋转直至弹起锁定

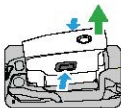


展开状态

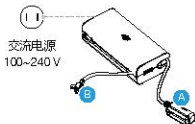
 请确保按顺序展开机臂，在机臂与桨叶全部展开之后再开启飞行器。

3. 充电

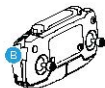
首次使用需给智能飞行电池充满电以激活电池。



取出智能飞行电池



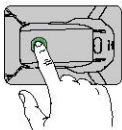
完全充满约需
1 小时 30 分钟



完全充满约需
2 小时 15 分钟

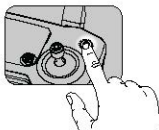
 充电前需将遥控器转接线取下。

• 检查电量与开启 / 关闭



短按一次检查电量。

短按一次，再长按 2 秒可开启、关闭飞行器。



BAT 100 PCT

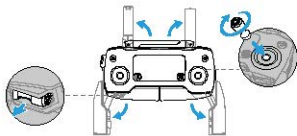
短按一次电源按键查看电量。

短按一次电源按键，再长按 2 秒以开启、关闭遥控器。

 安装电池至飞行器后并开启电源后，一旦电池温度低于 6℃，电池将开启自动加热功能，保持电池温度在 8-10℃ 之间。详细内容请参考用户手册。

4. 准备遥控器

CHS



展开天线、手柄，取出收纳于
遥控器上的摇杆并安装



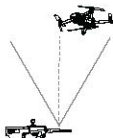
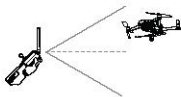
使转接线的一端置于卡槽底部



转接线一端连接移动设备接口，
安装移动设备



确保天线平行



最佳通信范围



- 注意摇杆拧紧，确保安装到位。
- 遥控器默认安装 Lightning 接口的转接线，可根据移动设备接口类型更换转接线。若使用 iPad 等较大尺寸移动设备时，可自备数据线连接至遥控器 USB 接口。
- Micro USB 接口与 USB 接口作为图传接口时不可同时使用。

5. 准备飞行



开启遥控器



开启飞行器



运行 DJI Pilot App



Internet

全新的飞行器需使用 DJI Pilot App 激活才能使用。激活时请确保移动设备可以接入互联网。



可在 DJI Pilot App 中对飞行器设置安全密码以保证飞行器的使用安全。

6. 飞行

起飞前请务必等待 DJI Pilot App 相机界面显示
“起飞准备完毕”。

起飞准备完毕 (GPS)

• 手动起飞 / 降落

摇杆动作:

电机启动 / 停止



或



起飞:
缓慢向上推动油门杆 (默认左摇杆) 飞行器起飞。



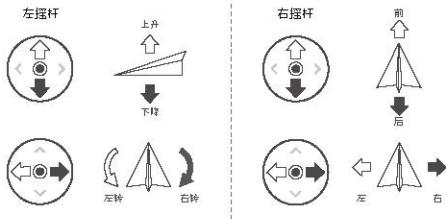
降落:
向下拉动油门杆至飞行器落地, 在最低位置保持 2 秒, 电机停止。



如飞行器在空中检测到严重故障, 才可执行摇杆动作以紧急停机。

• 遥控器操作

遥控器出厂默认操控方式为“美国手”。左摇杆控制飞行高度与方向，右摇杆控制飞行器的前进、后退以及左右飞行方向。云台俯仰控制拨轮可控制相机的俯仰拍摄角度。



- 飞行过程中遇到需要紧急刹车的情况，请按急停按键使飞行器悬停。
- 请预先在 DJI Pilot App 设置合适的自动返航高度。

* 可扩展配件



夜航灯



探照灯



喊话器

7. 飞行安全



在开阔无遮挡
的环境中飞行

+



+



+



GPS信号良好

在目视范围内飞行

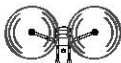
控制飞行高
度低于120米



飞行时请远离人群、树木、电线、高大建筑物、机场和信号发射塔等。无线电发射塔、高压线、变电站以及具有磁性的大块金属可能会对遥控信号及指南针产生干扰，威胁飞行安全。



下雨、大雾、下雪、雷电、大风（风速每秒10米及以上）等天气请勿飞行。



切勿接触旋转中的螺旋桨，
否则可能受到严重人身财产损害。



禁飞区

详情请访问以下网址：
<http://fllysafe.dji.com/no-fly>



禁飞区、飞行安全认识对于您、周围人群与环境的安全非常重要。
请务必仔细阅读《免责声明和安全概要》。

规格参数

• 飞行器

起飞重量	905 g
最大水平飞行速度	72 km/h (运动模式, 海平面附近无风环境)
最大起飞海拔高度	6000 m
工作环境温度	-10℃ 至 40℃
GNSS	GPS + GLONASS
工作频率	2.4-2.4835 GHz; 5.725-5.850 GHz
机载内存	24 GB

• 云台

可控转动范围	俯仰: -90° 至 +30°
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• 相机

影像传感器	1/2.3 英寸 CMOS; 有效像素 1200 万
Lens	视角: 约 83° (24 mm); 约 48° (48 mm) 35 mm 格式等效焦距: 24-48 mm 光圈: f/2.8 (24 mm) - f/3.8 (48 mm) 可对焦范围: 0.5 m 至无穷远
ISO 范围	视频: 100-3200 照片: 100-1600 (自动); 100-3200 (手动)
电子快门速度	8-1/8000 s
最大照片尺寸	4000 × 3000
照片拍摄模式	单张拍摄 多张连拍 (BURST): 3/5/7 张 自动包围曝光 (AEB): 3/5 张 @ 0.7EV 步长 EV Bias 定时拍摄
录像分辨率	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
视频存储最大码流	100 Mbps
图片格式	JPEG, DNG (RAW)
视频格式	MP4, MOV (MPEG-4 AVC/H.264, HEVC)
支持存储卡类型	microSD 卡; 最大支持 128GB 容量, 传输速度达到 UHS-I Speed Grade 3 评级的 microSD 卡

• 遥控器

工作频率	2.4-2.4835 GHz; 5.725-5.850 GHz
最大信号有效距离	FCC: 8 km; CE/MIC: 5 km; SRRC: 5 km
工作环境温度	0°C 至 40°C
电池	3950mAh @ 3.83V
工作电流 / 电压	1800mA @ 3.83V (给外部设备充电时)
支持移动设备	厚度 6.5-8.5 mm, 最大长度 160 mm
	接口类型: Lightning, Micro USB (Type-B), USB-C

■ 充电器

电压	17.6 ± 0.1 V
额定功率	60 W

■ 智能飞行电池

容量	3850 mAh
电压	17.6 V (满充电压) 15.4 V (典型电压)
电池类型	LiPo 4S
能量	59.29 Wh
电池整体重量	约 297 g
充电环境温度	5°C 至 40°C
最大充电功率	80 W
自加热环境温度	-10°C 至 6°C
自加热时间	500 s (最大)
自加热功率	55 W (最大)

了解产品详细信息, 请访问以下网址下载《用户手册》

www.dji.com/mavic-2-enterprise

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MAVIC 2 ENTERPRISE



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