

PHANTOM 4 PRO+ V2.0

Quick Start Guide

V1.0



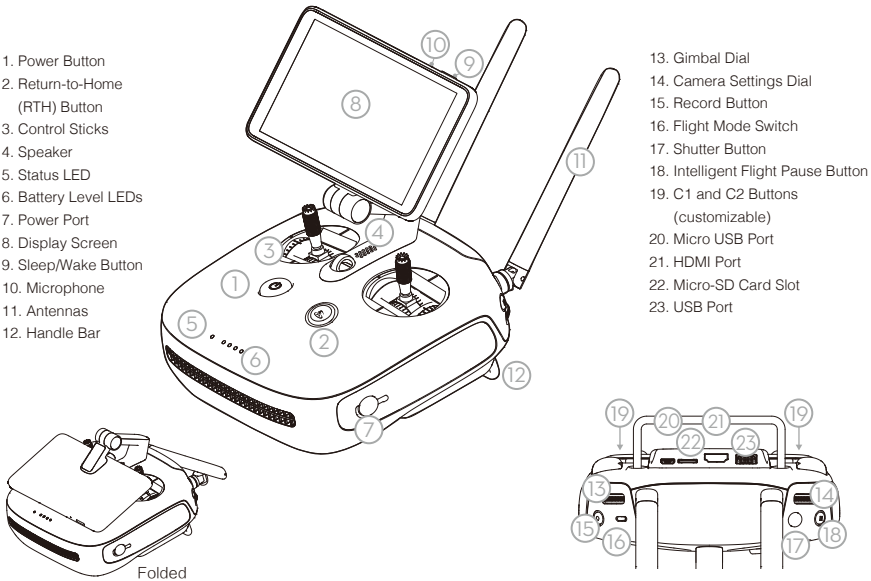
Phantom 4 Pro+ V2.0

The DJI PHANTOM™ 4 Pro+ V2.0 is a smart prosumer flying camera capable of shooting 4K video at 60 fps and at up to 100 Mbps, and capturing 20 megapixel stills. 4 directions of obstacle avoidance allow it to intelligently avoid obstacles during flight. Using TapFly™ and ActiveTrack™ through the DJI GO™ 4 app, you can fly anywhere visible on your screen or track a moving subject smoothly and easily with a simple tap. The camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images. In addition to the above features, improved propulsion system efficiency means aircraft noise is 4dB (60%) lower than on the Phantom 4 Pro+ V2.0.



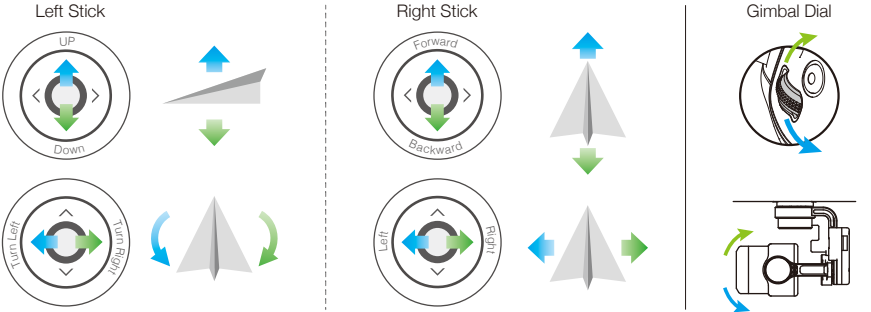
Remote Controller

The powerful remote controller of the Phantom 4 Pro+ V2.0 has a transmission range extending up to 4.3 mi (7 km)*. It features physical buttons and dials to control exposure, camera tilt, photo capture, and video recording. Built into the remote controller is DJI's latest long-range transmission technology OCUSYNC™, providing a live HD view from the Phantom's camera directly on the display. Dual frequency support makes the HD video downlink more stable. OcuSync also allows the Phantom 4 Pro+ V2.0 to be connected to DJI Goggles series products wirelessly, bringing you a real-time aerial FPV experience.



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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.



* The Vision and Infrared Sensing Systems are affected by surrounding conditions. Read the Disclaimer and Safety Guidelines and watch the tutorials in the DJI GO 4 app or on the official DJI website to learn more.
<http://www.dji.com/phantom-4-pro-v2>

* 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).

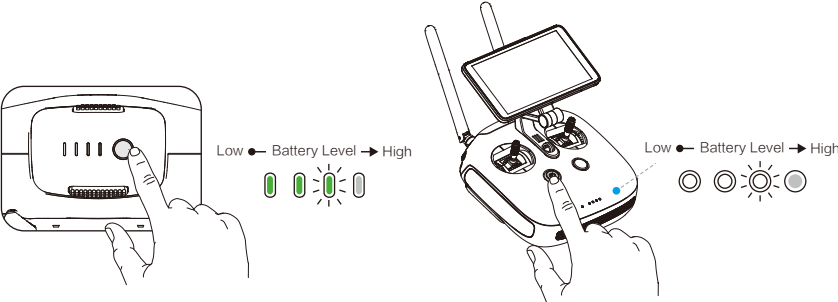
1. Watch the Tutorial Videos

Watch the tutorial videos at www.dji.com or in the DJI GO 4 app.



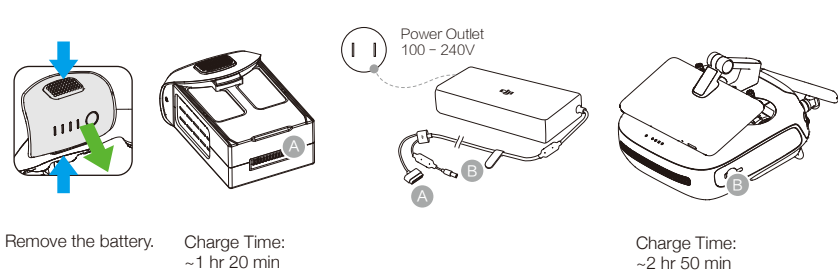
Tutorial Videos

2. Check the Battery Levels



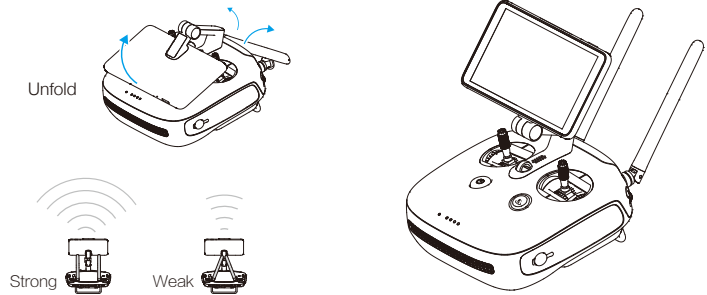
Press once to check the battery level. Press once, then again and hold to turn on/off.

3. Charge the Batteries

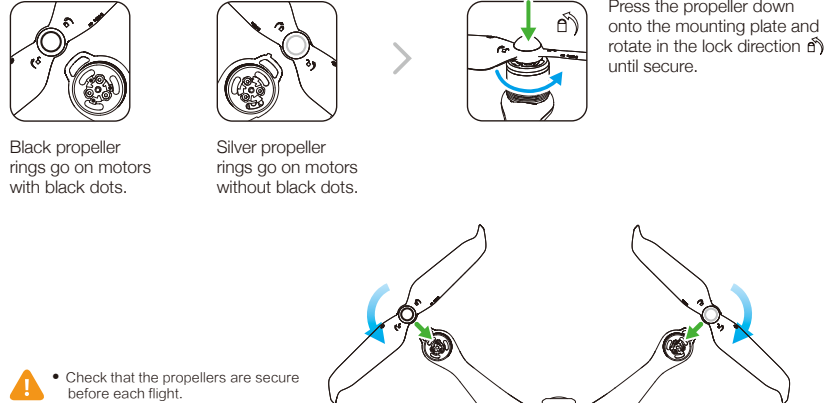
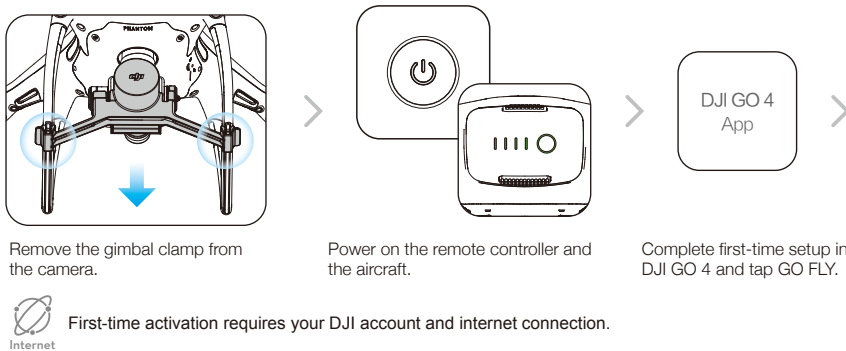


• When charging is complete, the battery level indicators will automatically turn off.

4. Prepare the Remote Controller



5. Prepare for Takeoff



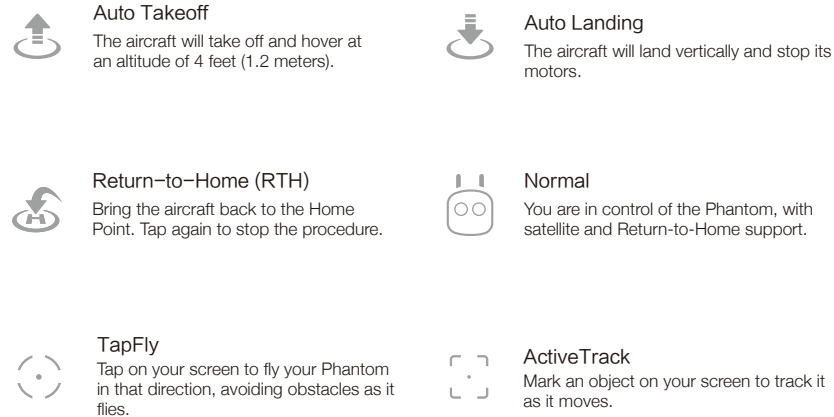
• Check that the propellers are secure before each flight.

6. Flight

Ready to Go (GPS)

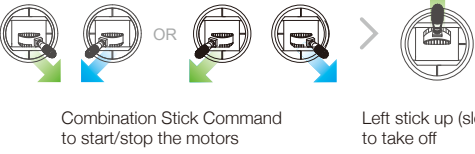
Before taking off, make sure the Aircraft Status Bar in the DJI GO 4 app indicates 'Ready to Go (GPS)' or 'Ready to Go (Vision)' if flying indoors.

In the DJI GO 4 App:



• 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. Refer to the Disclaimer and Safety Guidelines for more details.

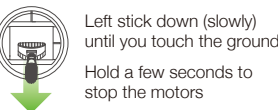
Manual Takeoff



• Rotating propellers can be dangerous. Do not start the motors when there are people nearby.
• Always keep your hands on the remote controller so long as the motor is still spinning.
• Stop motor mid-flight: Pull the left stick to the bottom inside corner while simultaneously pressing the RTH button. Only stop motors mid-flight in emergency situations when doing so can reduce the risk of damage or injury. Refer to the user manual for details.

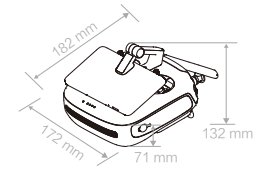
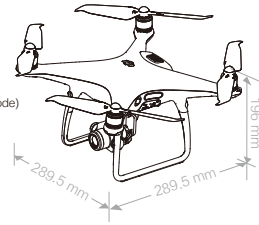
It's important to understand basic flight guidelines, for the safety of both you and those around you. Don't forget to read the Disclaimer and Safety Guidelines.

Manual Landing



Specifications

Aircraft Weight (Battery & Propellers Included) Max Ascent Speed Max Descent Speed Max Speed Max Service Ceiling Above Sea Level Max Flight Time Operating Temperature Satellite Positioning Systems	1375 g S-mode: 6 m/s; P-mode: 5 m/s S-mode: 4 m/s; P-mode: 3 m/s 45 mph (72 kph) (S-mode); 36mph (58 kph) (A-mode); 31 mph (50 kph) (P-mode) 19685 ft (6000 m) Approx. 30 minutes 32° to 104° F (0° to 40° C) GPS/GLONASS
Hover Accuracy Range	Vertical: ±0.1 m (With Vision Positioning); ±0.5 m (With GPS Positioning) Horizontal: ±0.3 m (With Vision Positioning); ±1.5 m (With GPS Positioning)
Gimbal Controllable Range	Pitch: -90° to +30°
Vision System Velocity Range Altitude Range Operating Range Obstacle Sensory Range Operating Environment	≤31 mph (50 kph) at 6.6 ft (2 m) above ground 0 - 33 ft (0 - 10 m) 0 - 33 ft (0 - 10 m) 2 - 98 ft (0.7 - 30 m) Surfaces with clear patterns and adequate lighting (> 15 lux)
Infrared Sensing System Obstacle Sensory Range Operating Environment	0.6 - 23 ft (0.2 - 7 m) Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)
Camera Sensor Lens ISO Range Mechanical Shutter Electronic Shutter Max Image Size Still Photography Modes	1" CMOS; Effective pixels: 20M FOV (Field of View) 84°, 8.8 mm (35 mm format equivalent: 24 mm), f/2.8 - f/11, auto focus at 1 m - ∞ Video: 100 - 3200 (Auto); 100 - 6400 (Manual); Photo: 100 - 3200 (Auto); 100 - 12800 (Manual) 8 - 1/2000 s 8 - 1/8000 s 3:2 Aspect Ratio: 5472×3648; 4:3 Aspect Ratio: 4864×3648; 16:9 Aspect Ratio: 5472×3078 Single Shot Burst Shooting: 3/5/7/10/14 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias Interval: 2/3/5/7/10/15/30/60 s
Video Recording Modes	H.265 •C4K: 4096×2160 24/25/30p •4K: 3840×2160 24/25/30p •2.7K: 2720×1530 24/25/30/48/50/60p •FHD: 1920×1080 24/25/30/48/50/60/120p •HD: 1280×720 24/25/30/48/50/60/120p H.264 •C4K: 4096×2160 24/25/30/48/50/60p •4K: 3840×2160 24/25/30/48/50/60p •2.7K: 2720×1530 24/25/30/48/50/60p •FHD: 1920×1080 24/25/30/48/50/60/120p •HD: 1280×720 24/25/30/48/50/60/120p
Video Storage Bitrate Supported File Systems Photo Video Supported SD Cards Operating Temperature	100 Mbps FAT32 (≤ 32 GB); exFAT (> 32 GB) JPEG, RAW (DNG), JPEG + RAW MP4/MOV (AVC/H.264; HEVC/H.265) Micro SD, Max Capacity: 128 GB. Class 10 or UHS-1 rating required 32° to 104° F (0° to 40° C)
Remote Controller	
Max Transmission Distance	2.4 GHz: 4.3 mi (7 km, FCC); 2.5 mi (4 km, CE); 2.5 mi (4 km, SRRC) 5.8 GHz: 4.3 mi (7 km, FCC); 1.2 mi (2 km, CE); 3.1 mi (5 km, SRRC) (Unobstructed, free of interference)
Operating Temperature Battery	32° - 104° F (0° - 40° C) 6000 mAh LiPo 2S
Operating Voltage Built-in Display Device	1.2 A @ 7.4 V 5.5 inch screen, 1920×1080, 1000 cd/m² Android system, 4G RAM + 16G ROM
Charger Voltage Rated Power	17.4 V 100 W
Intelligent Flight Battery (PH4-5870mAh-15.2V) Capacity Voltage Battery Type Energy Net Weight Charging Temperature Range Max Charging Power	5870 mAh 15.2 V LiPo 4S 89.2 Wh 468 g 41° to 104° F (5° to 40° C) 100 W



HDMI
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FCC Compliance Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information

Aircraft complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC/ISED radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.

For Remote Controller, SAR tests are conducted using standard operating positions accepted by the FCC/ISED with the remote controller transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the remote controller while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC/ISED that it does not exceed the exposure limit established by the FCC/ISED, Tests for each model are performed in positions and locations as required by the FCC/ISED.

For body worn operation, this device has been tested and meets the FCC/ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 10 mm from the body.

For limb worn operation, this device has been tested and meets the FCC/ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

ISED RSS Warning

This device complies with licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

KCC Warning Message

“해당무선설비는 운용 중 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.”

“해당 무선설비는 운용 중 전파혼신 가능성이 있음”

NCC Warning Message

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

EU Compliance Statement: SZ DJI TECHNOLOGY CO., LTD hereby declares that this device is in compliance with the essential requirements and other relevant provisions of the R&TTE Directive. A copy of the EU Declaration of Conformity is available online at www.dji.com/euro-compliance



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