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Quick Start Guide

V1.0

The DJI PHANTOM 4 Advanced+ is a smart prosumer flying camera capable of shooting 4K video at 60fps and at up to 100mbps, and capturing 20 megapixel stills. Using upgraded TapFly and ActiveTrack through the DJI GO app, you can fly anywhere visible on your screen or track a moving subject smoothly and easily with a simple tap.

The brand new camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images.

Remote Controller

The powerful remote controller of the Phantom 4 Advanced+ 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 LIGHTBRIDGE, providing a live HD view from the Phantom camera directly on the display. An internal battery ensures a long battery life and ease of use.

* 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).
Phantom 4 Advanced+

The DJI™ PHANTOM™ 4 Advanced+ is a smart prosumer flying camera capable of shooting 4K video at 60fps and at up to 100mbps, and capturing 20 megapixel stills. Using upgraded 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 brand new camera uses a 1-inch CMOS sensor offering unprecedented clarity, lower noise, and better quality images.

1. Gimbal and Camera
2. Downward Vision System*
3. Micro USB Port
4. Camera/Linking Status Indicator and Link Button
5. Camera Micro SD Card Slot
6. Forward Vision System
7. Front LEDs
8. Motors
9. Propellers
10. Aircraft Status Indicators
11. Antennas
12. Intelligent Flight Battery
13. Power Button
14. Battery Level Indicators

* The Vision System is 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-adv
**Remote Controller**

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Using Phantom 4 Advanced+

1. Watch the Tutorial Videos

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

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

Remove the battery.

Charge Time:
- ~1 hr 20 min
- ~2 hr 50 min

*When charging is complete, the battery level indicators will automatically turn off.*
4. Prepare the Remote Controller

- Unfold the remote controller
- Power on the remote controller and the aircraft
- Complete first-time setup in DJI GO 4 and tap GO FLY.

5. Prepare for Takeoff

- Remove the gimbal clamp from the camera
- Power on the remote controller and the aircraft
- Press the propeller down onto the mounting plate and rotate in the lock direction until secure
- Silver propeller rings go on motors without black dots
- Black propeller rings go on motors with black dots

First-time activation requires your DJI account and internet connection.

- Check that the propellers are secure before each flight

Specifications

- Operating Voltage: 1.2 A @ 7.4 V
- Transmitter Power (EIRP): 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC)
- Max Transmission Distance: FCC: 4.3 mi (7 km); CE: 2.2 mi (3.5 km); SRRC: 2.5 mi (4 km)
- Rated Power: 100 W
- Max Flight Time: Approx. 30 minutes
- Max Service Ceiling Above Sea Level: 19685 ft (6000 m)
- Controllable Range Pitch: -90° to +30°
- Controllable Range Roll: -120° to +120°
- Controllable Range Yaw: 360°
- Maximum Ascent Speed: S-mode: 6 m/s; P-mode: 5 m/s
- Maximum Descent Speed: S-mode: 6 m/s; P-mode: 5 m/s
- Auto Landing: Stop motor mid-flight: Pull the left stick to the bottom inside corner until there is still spinning. 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. It’s important to understand basic flight guidelines, for the safety of both you and those around you.

Features

- TapFly: In the DJI GO 4 App:
  - Ready to Go (GPS)
  - Ready to Go (Vision)
  - Auto Takeoff
  - Manual Takeoff
- ActiveTrack
- Auto Landing
- Multi-Point Takeoff
- DJI GO 4 and tap GO FLY.

Photos

- Format: Photo JPEG, RAW (DNG)
- Max Image Size: C4K: 4096×2160 24/25/30/48/50/60p
- Interval: 2/3/5/7/10/15/30/60 s
- Burst Shooting: 3/5/7/10/14 frames
- Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias
- Electronic Shutter: 8 - 1/8000 s
- Max Combined Exposure: 1/8000 s
- Electronic Image Stabilization Mode: Auto, Smart, Active, Normal
- Operating Environment: Surfaces with clear patterns and adequate lighting (> 15 lux)
- Operating Range: 2 - 98 ft (0.7 - 30 m)
- Velocity Range: 182 mm
- Operating Temperature: 32° to 104° F (0° to 40° C)
- Charging Temperature Range: 41° to 104° F (5° to 40° C)
- Battery: 6000 mAh LiPo 2S 15.2 V
- Max Charging Power: 100 W
- Rated Power: 100 W
- Net Weight: 468 g
- Voltage: 15.2 V
- Built-in Display Device: 5.5 inch screen, 1920×1080, 1000 cd/m²
- Battery Life: Approx. 289.5 mm 289.5 mm 71 mm
- Operating Environment: Indoor temperature: 5° to 32° C, Relative Humidity: 30% to 90%
- Dimensions: 265 mm × 267 mm × 89.5 mm
- Aircraft: Operating Weight: 1.8 kg
- Power Consumption: 30 W
- Electronic Compass: Magnetic Range: ±1.1 m, Accuracy: ±0.4°
- GPS/GLONASS
- Vision System: Disturbance Distance: ≤ 20 m, Obstacle Sensory Range: 2 - 98 ft (0.7 - 30 m)
- Gimbal: Max Pitch Tilt Angle: ±30°, Max Roll Tilt Angle: ±15°, Max Yaw Tilt Angle: ±15°
- 1'' CMOS; Effective pixels: 20M
- 1080P: 1920×1080 24/25/30/48/50/60/120p
- 2.7K: 2720×1530 24/25/30/48/50/60p
- 4K: 3840×2160 24/25/30/48/50/60p
- C4K: 4096×2160 24/25/30/48/50/60p
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- C4K: 4096×2160 24/25/30/48/50/60p
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:

**Auto Takeoff**
The aircraft will take off and hover at an altitude of 4 feet (1.2 meters).

**Auto Landing**
The aircraft will land vertically and stop its motors.

**Return-to-Home (RTH)**
Bring the aircraft back to the Home Point. Tap again to stop the procedure.

**Normal**
You are in control of the Phantom, with satellite and Return-to-Home support.

**TapFly**
Tap on your screen to fly your Phantom in that direction, avoiding obstacles as it flies.

**ActiveTrack**
Mark an object on your screen to track it as it moves.

• 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**

Combination Stick Command to start/stop the motors

**Manual Landing**

Left stick down (slowly) until you touch the ground

Hold a few seconds to stop the motors

• 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.
2. Check the Battery Levels

1. Watch the Tutorial Videos

- Using Phantom 4 Advanced+
  - Press once to check the battery level. Press once, then again and hold to turn on/off.

- Tutorial Videos
  - ~2 hr 50 min
  - Charge Time:

- Battery Level

- Remove the battery.
  - Charge Time:

- HighLow

- 100 - 240V
  - Power Outlet

- A

- B

- Internet

- Black dots.

4. Prepare the Remote Controller

- Motors with Black propeller

- Check that the propellers are secure before each flight.

5. Prepare for Takeoff

- Power on the remote controller and secure.

- Internet

- Black dots.

- Motors without rings go on

- In the DJI GO 4 App:
  - Ready to Go (GPS)
  - Ready to Go (Vision) if flying indoors.

- 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.

- TapFly

- Tap on your screen to fly your Phantom

- Auto Takeoff

- The aircraft will land vertically and stop its

- 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)

- Sensors

- 1/" CMOS; Effective pixels: 20M

- FOV (Field of View) 84°, 8.8 mm (35 mm format equivalent: 24 mm), 1/2.8 - f/11, auto focus at 1 m - ∞

- ISO Range

- Video: 100 - 3200 (Auto); 100 - 6400 (Manual); Photo: 100 - 3200 (Auto); 100 - 12800 (Manual)

- Mechanical Shutter

- 8 - 1/2000 s

- Electronic Shutter

- 8 - 1/8000 s

- Max Image Size

- 3:2 Aspect Ratio: 5472x3648; 4:3 Aspect Ratio: 4864x3648; 16:9 Aspect Ratio: 5472x3078

- Still Photography Modes

- 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

- H.264

- • C4K: 4096x2160 24/25/30p

- 4K: 3840x2160 24/25/30p

- • 2.7K: 2720x1530 24/25/30/48/50/60p

- • FHD: 1920x1080 24/25/30/48/50/60/120p

- • HD: 1280x720 24/25/30/48/50/60/120p

- Video Storage Bitrate

- 100 Mbps

- Supported File Systems

- FAT32 (≤ 32 GB); exFAT (> 32 GB)

- Photo

- JPEG, RAW (DNG), JPEG + RAW

- Video

- MP4/MOV (AVC/H.264; HEVC/H.265)

- Supported SD Cards

- Micro SD, Max Capacity: 128 GB. Class 10 or UHS-1 rating required

- Operating Temperature

- 32° to 104° F (0° to 40° C)

- Remote Controller

- Operating Frequency

- 2.400 - 2.483 GHz

- Max Transmission Distance

- FCC: 4.3 mi (7 km); CE: 2.2 mi (3.5 km); SRRC: 2.5 mi (4 km) (Unobstructed, free of interference)

- Operating Temperature

- 32° to 104° F (0° to 40° C)

- Battery

- 6000 mAh LiPo 2S

- Transmitter Power (EIRP)

- 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC)

- Operating Voltage

- 1.2 A @ 7.4 V

- Built-in Display Device

- 5.5 inch screen, 1920x1080, 1000 cd/m²

- Android system, 4G RAM + 16G ROM

- Charger

- Voltage

- 17.5 V

- Rated Power

- 100 W

- Intelligent Flight Battery (PH4-5870mAh-15.2V)

- Capacity

- 5870 mAh

- Voltage

- 15.2 V

- Battery Type

- LiPo 4S

- Energy

- 89.2 Wh

- Net Weight

- 468 g

- Charging Temperature Range

- 41° to 104° F (5° to 40° C)

- Max Charging Power

- 100 W

Download the user manual for more information:
http://www.dji.com/phantom-4-adv

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