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.

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, which when paired with a compatible mobile device gives you a live HD view from the Phantom’s camera. An internal battery ensures a long battery life and ease of use.

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
* 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
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.

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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™, which when paired with a compatible mobile device gives you a live HD view from the Phantom’s camera. An internal battery ensures a long battery life and ease of use.

1. Power Button
2. Return-to-Home (RTH) Button
3. Control Sticks
4. Status LED
5. Battery Level LEDs
6. Power Port
7. Mobile Device Holder
8. Small Device Positioning Tabs (for mobile phones)
9. Antennas
10. Handle Bar
11. Gimbal Dial
12. Camera Settings Dial
13. Record Button
14. Flight Mode Switch
15. Shutter Button
16. Intelligent Flight Pause Button
17. C1 and C2 Buttons (customizable)
18. USB Port
19. Micro USB Port

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 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).
Using Phantom 4 Advanced

1. Download the DJI GO 4 App

Search for ‘DJI GO 4’ on the App Store or Google Play, and install the app on your mobile device.

![DJI GO 4 App](QR_code)

2. Watch the Tutorial Videos

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

![Tutorial Videos](QR_code)

- DJI GO 4 supports iOS 9.0 (or later) or Android 4.4 (or later).

3. Check the Battery Levels

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

4. Charge the Batteries

Remove the battery. Charge Time: ~1 hr 20 min

Charge Time: ~3 hr 40 min

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

- Unfold the remote controller
- Press the button to release the clamp
- Place your mobile device and adjust the clamp to secure
- Connect your mobile device with a USB cable

6. Prepare for Takeoff

- Remove the gimbal clamp from the camera
- Power on the remote controller and the aircraft
- Launch DJI GO 4, complete the first-time setup, and tap GO FLY

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

- Black propeller rings go on motors with black dots
- Silver propeller rings go on motors without black dots

- Check that the propellers are secure before each flight
7. 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.

- **Manual Takeoff**

  - Left stick up (slowly)
  - Combination Stick Command
  - Left stick down (slowly)
    - to start/stop the motors
    - to take off

- **Manual Landing**

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

- **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.
Specifications

**Aircraft**

- **Weight (Battery & Propellers Included):** 1368 g
- **Max Ascent Speed:** S-mode: 6 m/s; P-mode: 5 m/s
- **Max Descent Speed:** S-mode: 4 m/s; P-mode: 3 m/s
- **Max Speed:** 45 mph (72 kph) (S-mode); 36mph (58 kph) (A-mode); 31 mph (50 kph) (P-mode)
- **Max Service Ceiling Above Sea Level:** 19685 ft (6000 m)
- **Max Flight Time:** Approx. 30 minutes
- **Operating Temperature:** 32° to 104° F (0° to 40° C)
- **Satellite Positioning Systems:** 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)

**Camera**

- **Sensor:** 1” CMOS; Effective pixels: 20M
- **Lens:** FOV (Field of View) 84°, 8.8 mm (35 mm format equivalent: 24 mm), f/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: 5472×3648; 4:3 Aspect Ratio: 4864×3648; 16:9 Aspect Ratio: 5472×3078
- **Still Photography Modes:** Single Shot, Burst Shooting: 3/5/10/14 frames

**Video Recording Modes**

- **Interval:** 3/5/7/10/15/30/60 s
- **Video Storage Bitrate:** 100 Mbps
- **Supported File Systems:** FAT32 (< 32 GB); exFAT (> 32 GB)
- **Video:** JPEG, RAW (DNG), JPEG + RAW
- **Supported SD Cards:** Micro SD, Max Capacity: 128 GB, Class 10 or UHS-1 rating required
- **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); SRRRC: 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 (SRRRC)
  - **Operating Voltage:** 1.2 A @ 7.4 V

**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:** 486 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

※ This Quick Start Guide is subject to change without prior notice.

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PHANTOM 4 ADVANCED