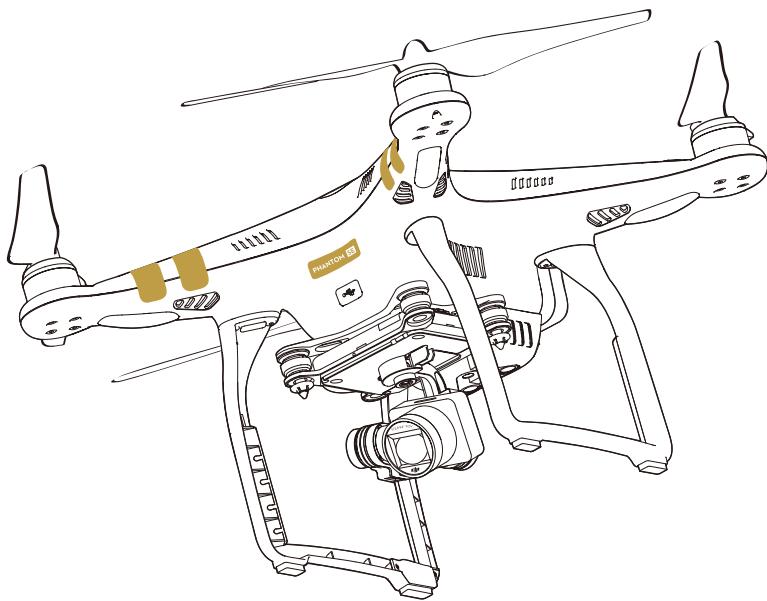


# PHANTOM 3

## SE

### Quick Start Guide

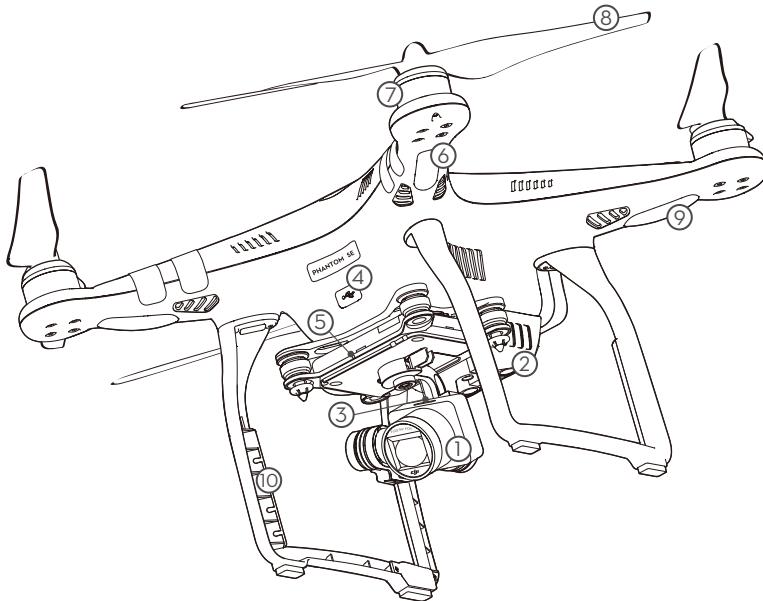
V1.0



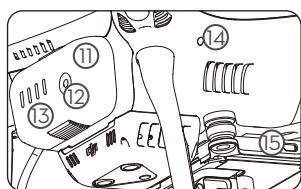
# Phantom 3 SE

The PHANTOM™ 3 SE's camera records video at up to 4K and captures 12 megapixel photos.

Review the diagram to learn the names and locations of various Phantom 3 SE components:



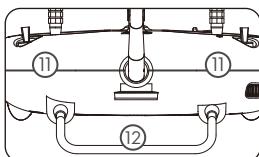
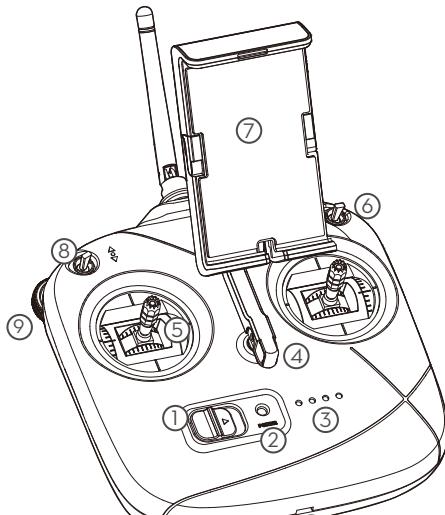
- |                              |                                |
|------------------------------|--------------------------------|
| 1. Gimbal and Camera         | 9. Aircraft Status Indicators  |
| 2. Vision Positioning System | 10. Antennas                   |
| 3. Camera Micro SD Card Slot | 11. Intelligent Flight Battery |
| 4. Aircraft Micro USB Port   | 12. Power Button               |
| 5. Camera Status Indicator   | 13. Battery Level Indicators   |
| 6. Front LEDs                | 14. Link Button                |
| 7. Motors                    | 15. Camera Micro USB Port      |
| 8. Propellers                |                                |



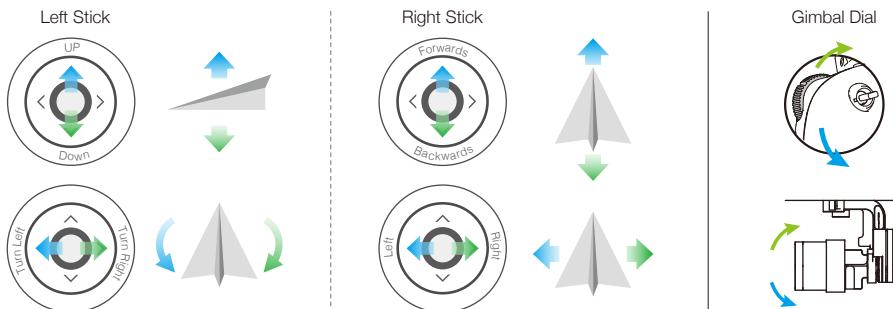
# Remote Controller

The remote controller allows you to control your Phantom 3 SE at distances up to 2.5 mi (4 km)\*. Built into the remote controller is a rechargeable LiPo battery and Wi-Fi video downlink, which when paired with a compatible mobile device gives you a live HD view from the Phantom's camera.

1. Power Switch
2. Status LED
3. Battery Level LEDs
4. Lanyard Loop
5. Control Sticks
6. Switch S1
7. Mobile Device Holder
8. Switch S2
9. Gimbal Dial
10. Micro USB Port
11. Built-in Antennas
12. Handle Bar



Here are the default flight controls (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 can reach its maximum transmission distance of 2.5 mi (4 km) in wide open areas with minimal magnetic interference and at an altitude of about 400 feet (120 meters) while FCC compliant.

# Using Phantom 3 SE

## 1. Download the DJI GO App

Search 'DJI GO' on the App Store or Google Play and download the app to your mobile device.

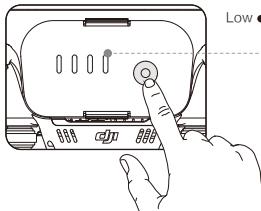


DJI GO App

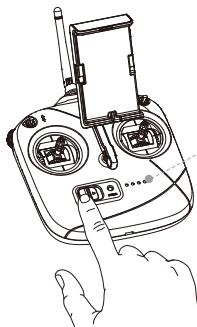


- The DJI GO™ app supports iOS 8.0 and Android 4.1.2, or later versions.

## 2. Check Battery Levels



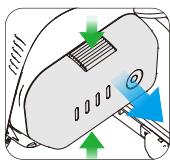
Low ← Battery Level → High  
● ● ● ● ●



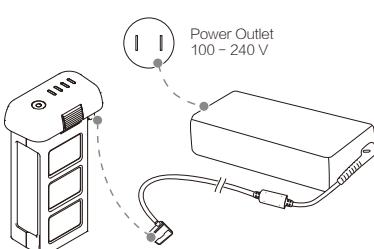
Low ← Battery Level → High  
● ● ● ● ●

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

## 3. Charging the Batteries



Remove the battery.



Provided Charger  
Charge Time: ~1.5 hours



USB Adapter Charge Time:  
~2.5 hours (when charging at 1.5 A)



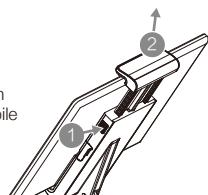
- When charging is complete, the battery will automatically power off and the Status LED will change from red to green.

## 4. Preparing the Remote Controller



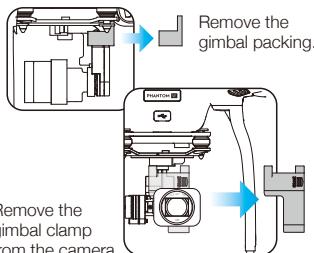
Unfold

Press the button on the side of the Mobile Device Holder to release the clamp.



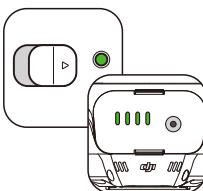
Place your mobile device into the clamp and adjust it so that the mobile device is held securely in place.

## 5. Prepare for Takeoff



Remove the gimbal clamp from the camera.

Remove the gimbal packing.



Power on the remote controller and the aircraft.



On your mobile device, select 'Phantom3SE\_XXXXXX' from the Wi-Fi menu and enter the default password '12341234'.

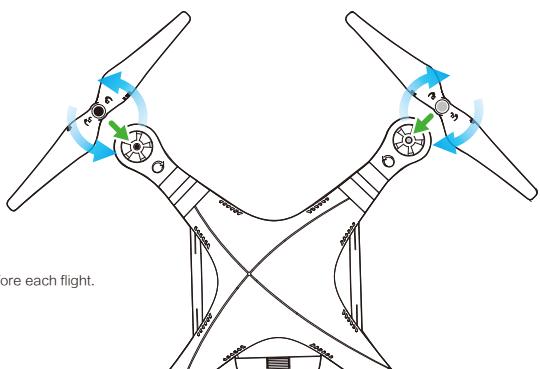


Activate your Phantom if you are using it for the first time. This requires an internet connection.



Black propeller nuts go on motors with black dots. Silver propeller nuts go on motors without black dots.

Launch the app.



- Tighten the propellers with both hands before each flight.

## 6. Flight

### Ready to Go (GPS)

Before taking off, ensure the Aircraft Status Bar in the DJI GO app indicates 'Ready to Go (GPS)'.

In the DJI GO 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

Brings the aircraft back to the Home Point. Tap again to stop the procedure.



- The aircraft will not avoid obstacles while it is returning to the Home Point, and an appropriate RTH altitude MUST be set before flight. You should also use the control sticks to guide the aircraft. Refer to the Safety Guidelines and Disclaimer for more details.

#### Manual Takeoff



OR



Combination Stick Command  
to start/stop the motors



Left stick up (slowly)  
to take off

#### Manual Landing



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



- Never stop the motors mid-flight, otherwise the aircraft will crash. Only stop the motors when the aircraft is on the ground or in emergencies to reduce the risk of damage or injury.

## 7. Fly Safe

DJI encourages you to enjoy flying in a safe, responsible and smart way.



DO NOT FLY near or above people, near trees, power lines or buildings.



#### DO MONITOR YOUR ALTITUDE

and fly under 400 feet  
(120 meters).

It is important to understand basic flight guidelines, for the safety of both you and those around you. Refer to the Safety Guidelines and Disclaimer for more information.



DO NOT FLY in rain, snow, fog, and wind speeds exceeding 22 mph or 10 m/s.



#### DO MAINTAIN LINE OF SIGHT

and avoid flying behind buildings or obstacles that block your view.



#### No Fly Zones

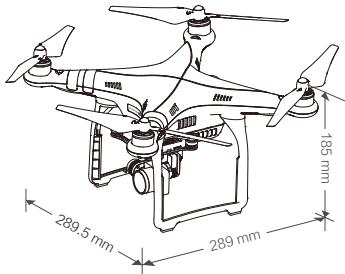
More information at:  
<http://www.dji.com/flysafeno-fly>

# Specifications

## Aircraft

Weight (Including Battery)	1236 g
Max Ascent Speed	5 m/s
Max Descent Speed	3 m/s
Max Speed	16 m/s (Atti mode, no wind)
Max Service Ceiling Above Sea Level	19685 feet (6000 m) (Software altitude limit: 400 feet above takeoff point)

Max Flight Time	Approximately 25 minutes
Operating Temperature Range	32° to 104° F (0° to 40° C)
GNSS	GPS+GLONASS
Operating Frequency	2.400-2.4835 GHz; 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: ≤27 dBm (FCC); ≤20 dBm (SRRC); ≤20 dBm (CE) 5.8 GHz: ≤30 dBm (FCC); ≤26 dBm (SRRC); ≤14 dBm (CE)



## Gimbal

Controllable Range	Pitch: -90° to +30°
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## Vision Positioning

Velocity Range	<8 m/s (Altitude 2 m)
Altitude Range	30 cm to 300 cm
Operating Range	50 cm to 300 cm
Operating Environment	Surface with clear pattern and adequate lighting (Lux > 15)

## Camera

Sensor	1/2.3" CMOS Effective pixels:12 M
Lens	FOV (Field Of View) 94° 20 mm (35 mm format equivalent) f/2.8 Focus at -∞
ISO Range	100-3200 (video) 100-1600 (photo)
Electronic Shutter Speed	8 to 1/8000 s
Image Max Size	4000×3000
Still Photography Modes	Single shot Burst shooting: 3/5/7 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias Interval shot
Video Recording Modes	C4K: 4096×2160 24/25p 4K: 3840×2160 24/25/30p 2.7K: 2704×1520 24/25/30p FHD: 1920×1080 24/25/30/48/50/60p HD: 1280×720 24/25/30/48/50/60p

Max Bitrate of Video Storage

60 Mbps

Supported File Systems

FAT32 (< 32 GB); exFAT (> 32 GB)

Photo Formats

JPEG, DNG

Video Formats

MP4/MOV (MPEG-4 AVC/H.264)

Supported SD Card Types

Micro SD, Max capacity: 64GB, Class 10 or UHS-1 rating required

Operating Temperature Range

32° to 104° F (0° to 40° C)

## Remote Controller

Operating Frequency

2.400 GHz - 2.4835 GHz, 5.725 GHz - 5.850 GHz

Transmitter Power (EIRP)

2.4 GHz: ≤27 dBm (FCC); ≤20 dBm (SRRC); ≤20 dBm (CE)

Max Transmission Distance

5.8 GHz: ≤30 dBm (FCC); ≤26 dBm (SRRC); ≤14 dBm (CE)

2.4 GHz: 0.6 mi (1000 m, FCC); 0.3 mi (500 m, SRRC); 0.3 mi (500 m, CE)

5.8 GHz: 2.5 mi (4000 m, FCC); 1.9 mi (3000 m, SRRC); 0.2 mi (400 m, CE)

Unobstructed and free of interference

Operating Temperature Range

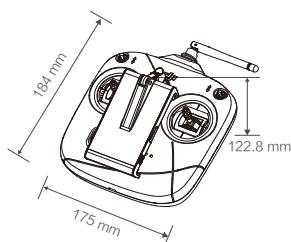
32° to 104° F (0° to 40° C)

Battery

2,600 mAh LiPo 18650

Mobile Device Holder

Tablets and smartphones



## Charger

Voltage

17.4 V

Rated Power

57 W

## Intelligent Flight Battery (PH3-4480 mAh-15.2 V)

Capacity

4480 mAh

Voltage

15.2 V

Battery Type

LiPo 4S

Energy

68 Wh

Net Weight

365 g

Charging Temperature Range

41° to 104° F (5° to 40° C)

Max Charging Power

100 W

Download the user manual in the DJI GO app for more information.

\* This content is subject to change without prior notice.

# PHANTOM 3 **SE**