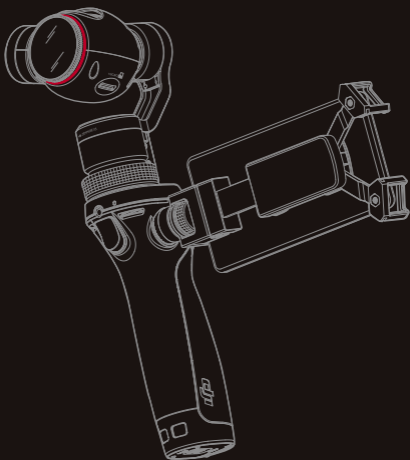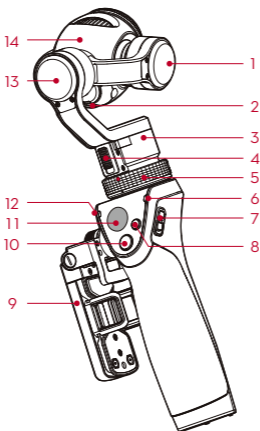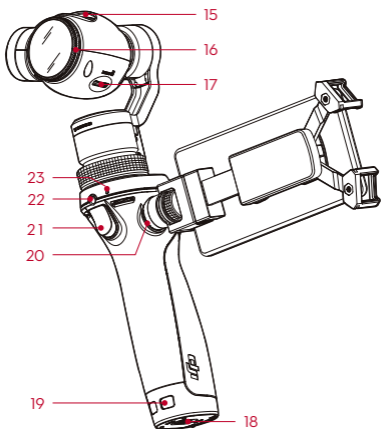# OSMO

Quick Start Guide

V1.0

dji

Overview

The Osmo is a professional handheld gimbal that combines mobility and stability in one device. Its camera shoots sharp 12MP still photos and stable video at up to 4K. Your mobile device can be mounted on the side of the handle and display a live feed through the high-speed WiFi video link.

1 Tilt Motor

2 Micro USB Port

3 Pan Motor

4 Pan Axis Lock

5 Gimbal Lock

6 System Status LED

7 Power Switch

8 Record Button

9 Mobile Device Holder

10 Shutter Button

11 Joystick

12 Camera Status LED

13 Roll Motor

14 Camera

15 Air Vents

16 UV Filter

17 Micro SD Card Slot

18 Battery Cover

19 Lanyard Hole

20 Rosette Mount

21 Trigger

22 External Microphone Input

23 Built-in Microphone

Specifications

- **Handle**

Dimensions	2.4×1.9×6.4 inches
	(61.8×48.2×161.5 mm)
Weight (including battery)	201 g

- **Gimbal**

Model	Zenmuse X3
Weight	221 g
Output Power (with camera)	Static: 9 W; Dynamic: 11 W
Angular Vibration Range	±0.03°
Mount	Detachable
Controllable Range	Tilt: -35° to +135°
	Pan: ±320°; Roll: ±30°
Mechanical Range	Tilt: -90° to +150°
	Pan: ±330°; Roll: -50° to +90°
Max. Controllable Speed	120°/s

- **Camera**

Model	X3/FC350H
Sensor	Sony Exmor R CMOS; 1/2.3"
	Effective pixels: 12.40 M
	(Total pixels: 12.76 M)
Lens	94° FOV 20 mm
	(35 mm format equivalent)
	f/2.8
ISO Range	100–3200 (video); 100–1600 (photo)
Electronic Shutter Speed	8 s–1/8000 s
	(up to 30 s when camera is in M mode)
Max. Image Size	4000×3000 pixels
Still Photography Modes	Single Shot
	Photo Burst Mode: 3/5/7 shots
	Auto Exposure Bracketing (AEB):
	3/5 bracketed frames @ 0.7 EV bias
	Interval
	Timelapse
	Auto Panorama
	Selfie Panorama
Video Resolution	UHD: 4K (4096×2160) 24/25p
	4K (3840×2160) 24/25/30p
	2.7K (2704×1520) 24/25/30p
	FHD: 1920×1080 24/25/30/48/50/60/120p
	HD: 1280×720 24/25/30/48/50/60p
Video Recording Modes	Auto; Slow Motion
Max. Video Bitrate	60 Mbps
Supported File Systems	FAT32 (≤ 32 GB) ; exFAT (> 32 GB)
Photo Formats	JPEG, DNG (RAW)
Video Formats	MP4/MOV (MPEG-4 AVC/H.264)

Supported SD Cards	Micro SD; Max. Capacity: 64 GB; Class 10 or UHS-1
Operating Temperature	32° to 104° F (0° to 40° C)
Audio Output	Two channel; 48 KHz; AAC

● **WiFi Video Link**

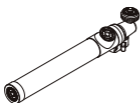| Operating Frequency | 2.412–2.462 GHz; 5.180–5.805 GHz |
| Max. Transmission Distance | 82 feet (25 m) |
| Transmitter Power (EIRP) | 2.4G: 8 dBm; 5G: 12 dBm |

● **Intelligent Battery**

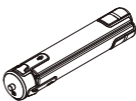| Model | HB01-522365 |
Type	LiPo
Capacity	980 mAh
Energy	10.8 Wh
Voltage	11.1 V
Charging Temperature	59° to 104° F (15° to 40° C)
Operating Temperature	14° to 122° F (-10° to 50° C)

● **Battery Charger**

Model	SOY015A-1260120
Input	100–240 V; 50/60 Hz
Output	12.6 V; 1.2 A

Optional Accessories

Extension Rod

Tripod

Bike Mount

Vehicle Mount

Visit the DJI Online Store for more information:
http://store.dji.com
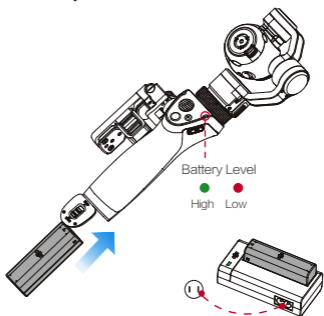
1. Install the DJI GO App

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

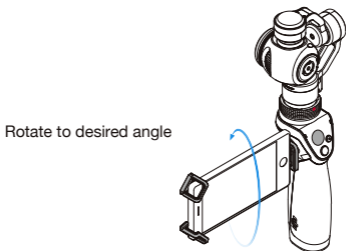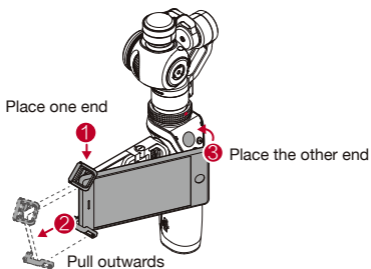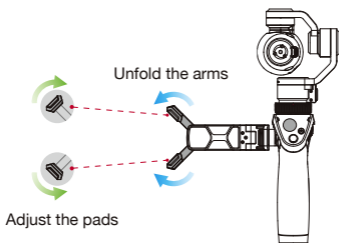⚠ • DJI GO supports iOS 8.0 (or later) or Android 4.1.2 (or later).

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2. Prepare the Battery

Fully charge the battery for the first time to activate. Insert the battery as shown.

Battery Level

● High   ● Low

⚠ • Charge Time: ~1 hour.
• The LED indicator will glow green when charging is complete.

3. Mount your Mobile Device

Unfold the arms

Adjust the pads

Place one end

1

3 Place the other end

2

Pull outwards

Rotate to desired angle

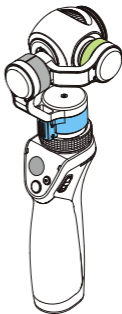⚠ • Ensure your mobile device is fully seated.

4. Unlock the Gimbal

1. Rotate the tilt motor
2. Rotate the roll motor

3. Slide the Pan Axis Lock up

⚠️ • Follow the order above to avoid damaging the camera.
• Rotate the motors just enough to loosen them.

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5. Connect to the DJI GO App

To Power On:
Pull down on the switch

Pull down again > Sleep
Pull down and hold for 1.5 s > Power Off

Turn on your mobile's WiFi and
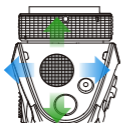connect to **OSMO_XXXXXX**
Default password: **12341234**

DJI GO
App
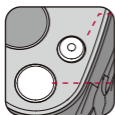
Launch the app and tap
Enter Camera View.

⊘ Activate the Osmo if you are using it for the first time.
Internet This requires an internet connection.

6. Controls

- Pan or tilt the camera with the joystick.

- Position the camera directly by hand.

Record Button
Press once to start recording, and again to stop recording.

Shutter Button
Press once to take a photo.

- **Trigger**
  Hold down to enable Lock Mode.
  Tap twice to center the camera.
  Tap three times to enter Selfie Mode.

- SmoothTrack Mode is enabled automatically to smooth out jerky movements.

- The Osmo will beep slowly if the gimbal is locked after it is turned on. This means the camera is working normally but the gimbal is shut off.

- If you need to unlock the gimbal after it is turned on, you must rotate the pan motor after unlocking the tilt motor and pan motor to reactivate the gimbal.

For more information, read the User Manual:
www.dji.com/product/osmo

OSMO