Searching for Keywords
Search for keywords such as “battery” and “install” to find a topic. If you are using Adobe Acrobat Reader to read this document, press Ctrl+F on Windows or Command+F on Mac to begin a search.

Navigating to a Topic
View a complete list of topics in the table of contents. Click on a topic to navigate to that section.

Printing this Document
This document supports high resolution printing.

Using this Manual

Legend

⚠️ Important
💡 Tips

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 4.4 (or later).
Contents

Using this Manual

Legend
Install the DJI GO App

Introduction

Getting Started

Intelligent Battery
Mount and Balance the Mobile Phone
Optional Accessories

Using the Osmo Mobile

Controls and Operations
Operation Modes

DJI GO App

Download
Connecting to the DJI GO App
Key Pages

Upgrading the Firmware

How to Upgrade

Specifications
Introduction

The OSMO™ Mobile is an advanced 3-axis gimbal that stabilizes and controls your smartphone, turning it into a smart motion camera. Its light and ergonomic design places physical controls at your fingertips, to form a powerful go anywhere smartphone filmmaking device. The DJI GO app brings ActiveTrack and Motion Timelapse features to the Osmo Mobile.

Equipped with 3-axis stabilization and SmoothTrack technology, the Osmo Mobile compensates for natural arm movements and smooths out transitions, creating seamlessly smooth video. Finer operations can be done with the joystick, and the phone can be instantly positioned by hand. The DJI Rosette Mount on the side of the handle supports a number of accessories, including an Extension Rod, a Tripod, and various mounts for specialized filmmaking applications.

At a Glance:

[8] System Status LED  [18] Lanyard Hole
[10] Adjustable Arm
Getting Started

Intelligent Battery

The 980 mAh Intelligent Battery can power the Osmo Mobile for about 4.5 hours.

<table>
<thead>
<tr>
<th>Intelligent Battery Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Balancing</td>
</tr>
<tr>
<td>Balances the voltage of each cell during charging.</td>
</tr>
<tr>
<td>Overcurrent Protection</td>
</tr>
<tr>
<td>Stops charging if the charging current is too large.</td>
</tr>
<tr>
<td>Overcharge Protection</td>
</tr>
<tr>
<td>Stops charging if its voltage is too high.</td>
</tr>
<tr>
<td>Over-discharge Protection</td>
</tr>
<tr>
<td>Stops discharging if its voltage is too low.</td>
</tr>
<tr>
<td>Short Circuit Protection</td>
</tr>
<tr>
<td>Cuts the power supply if a short circuit is detected.</td>
</tr>
<tr>
<td>Temperature Control</td>
</tr>
<tr>
<td>Stops charging if the core temperature falls below 41°F (5°C) or exceeds 104°F (40°C).</td>
</tr>
<tr>
<td>Battery Level Display</td>
</tr>
<tr>
<td>The battery level is displayed in the DJI GO app.</td>
</tr>
</tbody>
</table>

Battery Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>HB01-522365</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>LiPo</td>
</tr>
<tr>
<td>Capacity</td>
<td>980 mAh</td>
</tr>
<tr>
<td>Energy</td>
<td>10.8 Wh</td>
</tr>
<tr>
<td>Voltage</td>
<td>11.1 V</td>
</tr>
<tr>
<td>Charging Temperature</td>
<td>41° to 104° F (5° to 40° C)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 104° F (0° to 40° C)</td>
</tr>
</tbody>
</table>

⚠️ • Be sure to fully charge the Intelligent Battery for the first time to activate it.
  • Read the user manual, Intelligent Battery Safety Guidelines before use. The user takes full responsibility for all operations and usage.
Inserting the Battery
Slide the locking switch at the base of the Osmo Mobile to open the battery cover. Insert the battery and lock the battery cover.

Charging
To charge the Osmo Mobile, connect the USB adapter (not included) to the charging port using the provided power cable.
The battery is fully charged when the system status LED become solid green.
USB Adapter Charging Time : 3 hours (when charging at 1 A)
Maximum Supported USB Charging Current: 2.1 A

⚠️ Only use the Power Cable with the Osmo Mobile. Damage may occur if the Power Cable is attached to any other device’s 3.5 mm port.

Removing the Battery
Slide the locking switch at the base of the Osmo Mobile to open the battery cover. Push the red safety hook away from the battery to let it pop up, and then remove the battery.
Mount and Balance the Mobile Phone

1. With the Osmo Mobile powered off, loosen the Holder Lock Knob, place the mobile phone in the mobile phone holder and tighten the knob to secure its position.

2. The system is balanced if the mobile phone remains level when released, balanced only by the gimbal.

- Do not power on the Osmo Mobile without a mobile phone. The Osmo Mobile will not work if no device is detected by the Mobile Phone Detection Sensor.
- It is important to balance the mobile phone in order to achieve optimal performance. The Osmo Mobile should only be balanced when powered off.
## Optional Accessories

DJI provides various optional accessories for the Osmo Mobile.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Osmo Base</strong></td>
<td>Provides a stable platform for your Osmo to stand upright.</td>
</tr>
<tr>
<td><strong>Universal Mount</strong></td>
<td>Used to mount external devices such as a flashlight.</td>
</tr>
<tr>
<td><strong>Extension Rod</strong></td>
<td>Good for taking group selfies, overhead shots or reaching into small spaces.</td>
</tr>
<tr>
<td><strong>Tripod</strong></td>
<td>For stationary shots that require steady footage. The tripod must be used with the Extension Rod.</td>
</tr>
<tr>
<td><strong>High Capacity Intelligent Battery</strong></td>
<td>Battery capacity is 1225 mAh.</td>
</tr>
<tr>
<td><strong>Osmo Charger</strong></td>
<td>The Osmo Charger is designed to charge the Osmo series Intelligent Battery by connecting to a power outlet.</td>
</tr>
<tr>
<td><strong>Osmo Quad Charging System</strong></td>
<td>Used with the dedicated DJI Battery Chargers, which can charge up to four Osmo Intelligent Batteries.</td>
</tr>
</tbody>
</table>
Using the Osmo Mobile

Controls and Operations

The gimbal anticipates handle movement to smooth out pan and tilt transitions, and uses SmoothTrack technology to reduce mobile phone shakes from natural arm movements. You can position the mobile phone directly by hand.

Additionally, there are buttons on the front and back of the handle that allow for finer control over the gimbal and mobile phone. All of the buttons and controls are described below.

[1] Power Switch
To turn on/off the Osmo Mobile, pull the power switch down and hold for 1.5 seconds. With the Osmo Mobile powered on, pull the power switch and then release quickly will cause the Osmo Mobile to go in or out of sleep mode.

⚠️ Hold the Osmo Mobile steady and upright while it is starting up.

Vertical movement tilts the camera. Horizontal movement pans the camera. Joystick control direction can be set in the DJI GO app.

[3] Shutter Button
Press this button to take photos based on your settings in the DJI GO app. Hold down shutter button to capture continuous photo.
[4] Record Button
Press this button once to start recording video, and again to stop recording.

[5] Camera Status Indicator
Indicates the camera’s system status. Refer to the table below for details.

<table>
<thead>
<tr>
<th>Blinking Pattern</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>○</td>
<td>LED Off</td>
</tr>
<tr>
<td>—</td>
<td>Solid Blue</td>
</tr>
<tr>
<td>G · · ·</td>
<td>Blinks Green</td>
</tr>
<tr>
<td>G · · · ·</td>
<td>Blinks Green slowly</td>
</tr>
<tr>
<td>G · · · · ·</td>
<td>Blinks Green for each shot</td>
</tr>
<tr>
<td>R · · · ·</td>
<td>Blinks Red slowly</td>
</tr>
</tbody>
</table>

[6] System Status Indicator
Indicates the status of the Osmo Mobile. Refer to the table below for details.
### Blinking Pattern Descriptions

<table>
<thead>
<tr>
<th>Blinking Pattern</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Solid Green" /></td>
<td>The Osmo Mobile is functioning normally or firmware upgrade successful.</td>
</tr>
<tr>
<td><img src="image" alt="Blinks Green" /></td>
<td>The Osmo Mobile is initializing / Exiting sleep mode</td>
</tr>
<tr>
<td><img src="image" alt="Slow Pulsing Green" /></td>
<td>Standby</td>
</tr>
<tr>
<td><img src="image" alt="Solid Yellow" /></td>
<td>The trigger is being held down and the gimbal is in Lock Mode</td>
</tr>
<tr>
<td><img src="image" alt="Blinks Yellow" /></td>
<td>The gimbal is not functioning normally.</td>
</tr>
<tr>
<td><img src="image" alt="Slow Pulsing Green/ Yellow/Red" /></td>
<td>Charging</td>
</tr>
<tr>
<td><img src="image" alt="Blinks Red Slowly" /></td>
<td>Low battery level warning</td>
</tr>
<tr>
<td><img src="image" alt="Blinks Red Quickly" /></td>
<td>Critical low battery level warning</td>
</tr>
<tr>
<td><img src="image" alt="Solid Red" /></td>
<td>Non-DJI battery detected or firmware upgrade failed.</td>
</tr>
</tbody>
</table>

💡 Tap twice on the trigger to re-center your phone. If the system status LED blinks yellow, it indicates an error in the gimbal.

### [7] Trigger

Hold down the Trigger to enable Lock Mode. The gimbal will stay in its current position regardless of handle movement. The Osmo Mobile will return to SmoothTrack Mode once the Trigger is released.

Quickly tap the Trigger twice to center the mobile phone.

Tap three times on the trigger to switch between your phone’s front and rear camera. Switching cameras during video recording will stop the recording.

Hold down the trigger and push the joystick up and down to zoom. This function is available in the DJI GO app metering mode and when using your phone’s rear camera only. Currently available on iOS only.

### [8] Charging/Upgrade Port

To charge the Osmo Mobile by connecting to this port.
Operation Modes

Upright Mode
Upright Mode can be used without any user input. In this mode, quickly tap the trigger twice to center the mobile phone.

Underslung Mode
Holding the Osmo Mobile upside down will cause it to enter Underslung Mode, in which the mobile phone can easily capture images from a lower position.
Flashlight Mode
Rotate the Osmo Mobile forward 90 degrees to go from Upright Mode to Flashlight Mode. In Flashlight Mode, pushing the joystick up and down will tilt the gimbal, pushing the joystick left and right will have no effect.

Portrait Mode
Rotate the Osmo Mobile 90 degrees to the left or right to go from Upright Mode to Portrait Mode. ActiveTrack is disabled when using Portrait Mode.
DJI GO App

Watch a live HD video feed on your mobile screen through the DJI GO app. The app also allows you to configure camera and gimbal settings in just a few taps.

Download

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

Connecting to the DJI GO App

1. Enable Bluetooth and turn off portrait orientation lock on your mobile phone to allow horizontal screen display.
2. Power on the Osmo Mobile. Do not touch the gimbal and hold the Osmo Mobile still and upright while it is starting up.
3. Launch DJI GO app. If you are using the Osmo Mobile for the first time, follow the on-screen instructions to activate it. You will need to log in to your DJI account through an Internet connection.
4. Enter Camera view. You will see what the camera captures in real time if it is connected successfully.

💡 There will be a tutorial on how to use your Osmo Mobile after entering the camera view.

⚠️ Recording will stop if you place or answer a call.
Key Pages

1. Equipment > Camera

[1] Connection Status
Indicates the connecting status between DJI GO app and Osmo Mobile.

[2] 📷 / 🎥 Photo/Video Toggle
Slide to switch between photo and video mode.

[3] Photo/Video Settings

- Photo Modes
Single shot, 2s, 5s or 10s intervals, HDR.

- Video Modes
  - Normal: Normal video based on your camera settings.
  - Slow Motion: Tap to start/stop slow motion video recording.
  - Timelapse Settings: Select photo capture intervals and capture duration to start recording a timelapse. Tripod Mode locks the gimbal motor for greater stability. Tripod Mode is recommended when shooting a timelapse with the Osmo Mobile placed on a stable surface. If you are holding the Osmo Mobile, disable Tripod Mode to allow the gimbal to allow it to stabilize.
  - Motion Timelapse: Use up to 5 camera positions to create a moving timelapse.

[4] 📷 : Shutter/Record Button
Shoots photos in Photo Mode and record video in Video Mode.

[5] 📸 : Front/Rear Camera Switch
Tap to switch between your phone's front and rear camera.

Tap to view photos and videos.
[7] ☀️: Metering Mode/ 📸: ActiveTrack
Tap to switch between Metering Mode and ActiveTrack.

**Metering Mode:** Tap on your screen for auto focus and manual exposure adjustment.

**ActiveTrack:** Mark an object on your screen to track it as it moves. Tap the Record button to start recording. To adjust framing of the subject being tracked, use the Joystick.

⚠️ Recording will stop if you place or answer a call.

[8] 🌟: Settings

**Camera**
Adjust video resolution settings (phone dependent), and reset camera settings here.

**Gimbal**
- Horizontal Calibration
  Adjust positive and negative values to bring the horizon to level if it is skewed.
- Auto Calibration
  Reduces drift caused by nearby magnetic interference or human error. Do not touch the gimbal and hold the Osmo Mobile still and upright during calibration.
- Joystick Control Direction
  Tilt and pan axis can be controlled simultaneously by setting the Joystick control direction to Free.
- Invert Joystick Left/Right Operation
  Inverts left and right joystick directions, so that pushing right turns the phone left and vice versa.
- Invert Joystick Up/Down Operation
  Invert up and down joystick directions, so that pushing the joystick up tilts the phone down.

**General**
Displays the firmware version, Intelligent Battery information and device name.

**Livestream**
Livestream to YouTube Live. Currently only available on iOS.

[9] 🛠️: Gimbal Preferences

**Scene Mode**
SmoothTrack speed varies depending on the Scene Mode. In Sport Mode, it moves faster, while in Walk Mode it is slower.

**Tilt Axis Lock**
Locks the tilt axis at the current angle when enabled.
[10] 📸 : Camera Preference
Select the video resolution, flash status and enable on-screen composition grids. Enable Manual Adjustment for ISO, Shutter Speed and White Balance control. Currently available on iOS only.

Tap to navigate to the home screen.

[12] Flash Status
Displays the current status of the Flash.

[13] Battery Level
Displays the current battery level.

Zoom
Put two fingers on the screen and open to zoom in, close to zoom out. This function is available in the DJI GO app Metering Mode and when using your phone’s rear camera only. Currently available on iOS only.

2. Editor
View, edit and share your masterpieces all in one place. The Editor has a range of simple but powerful tools that let you edit your videos and photos before sharing them online, minutes after they are captured.

Once you login or register your DJI account, you will be able to conveniently upload and share your creations. The saved photos and videos can be uploaded to Skypixel (www.skypixel.com) and shared on social networks such as Facebook, Twitter, WeChat, Moments and Sina Weibo.

Video
All of your recorded video footage will appear in ‘Original Footage’. You can trim footage and save it to ‘Create Movie’. Then, select multiple clips to create a movie quickly with the built-in editing tools and templates.

Photos
Edit your photos by adjusting the parameters, editing the photo size, adding watermarks and applying filters.

3. Skypixel
View and share the photos and videos here.

4. Me
If you already have a DJI account, you will be able to participate in forum discussions, and visit DJI online store here.
Upgrading the Firmware

Ensure that the battery has at least 50% power. It will take approximately 10 minutes to complete the upgrade. The camera status indicator will become solid green when the firmware upgrade is successful.

How to Upgrade

Connect the Osmo Mobile to your mobile device and then launch the DJI GO app. You will be reminded if a new firmware upgrade is available. To start upgrading, connect your mobile device to the internet and follow the on-screen instructions.

Do not exit the DJI GO app during the upgrade process. Pay attention to on-screen pop-ups. You should reattempt the upgrade if the upgrade is unsuccessful.

Specifications

<table>
<thead>
<tr>
<th>Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight (battery included)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gimbal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Model</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Consumption</td>
</tr>
<tr>
<td>Angular Vibration Range</td>
</tr>
<tr>
<td>Controllable Range</td>
</tr>
<tr>
<td>Mechanical Range</td>
</tr>
<tr>
<td>Max Controllable Speed</td>
</tr>
<tr>
<td>Mobile Phone Width Range</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wireless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intelligent Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
</tr>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Energy</td>
</tr>
<tr>
<td>Voltage</td>
</tr>
<tr>
<td>Charging Temperature</td>
</tr>
<tr>
<td>Operating Temperature</td>
</tr>
</tbody>
</table>