DJI DJI Osmo Mobile 7P

DJI Osmo Mobile 7P User Manual

Model: DJI Osmo Mobile 7P

Brand: DJI

1. Overview

The DJI Osmo Mobile 7P is a robust 3-axis gimbal stabilizer designed for smartphones, enhancing your mobile videography with advanced features. It includes a new Multifunctional Module that provides native tracking, audio reception, and lighting capabilities, making it an ideal tool for content creators.

Key improvements over previous models include the integrated extension rod and tripod, longer battery life, and enhanced magnetic phone clamp for larger smartphones.



Image: DJI Osmo Mobile 7P Gimbal with Multifunctional Module, Magnetic Phone Clamp, and Storage Pouch.

2. What's in the Box

- Osmo Mobile 7P x1
- DJI OM 7 Series Magnetic Phone Clamp x1
- DJI OM Multifunctional Module x1
- Power Cable (USB-C to USB-C, 50 cm) x1
- Phone Charging/Audio Recording Cable (USB-C to USB-C, 15 cm) x1
- Storage Pouch x1



Image: All components included in the DJI Osmo Mobile 7P package.

3. Setup

Unfolding and Powering On

Unfold the Osmo Mobile 7P gimbal. It powers on automatically once unfolded. The built-in tripod legs can be extended from the handle for stable placement on flat surfaces.



Image: User unfolding the DJI Osmo Mobile 7P for quick launch.

Attaching Your Smartphone

Attach your smartphone to the magnetic phone clamp. The DJI Mimo app will automatically pop up (on compatible iPhones) for instant filming. Ensure the Multifunctional Module is properly attached to the phone clamp, facing the subject

for tracking.



Image: Demonstrates the built-in extension rod, tripod, and phone charging feature of the gimbal.

DJI Mimo App

For a better product experience, please visit the official DJI website to download the latest version of DJI Mimo, as it has been removed from Google Play due to platform compatibility issues.

4. Operating

Stabilization and Tracking

The Osmo Mobile 7P features robust 3-axis gimbal stabilization for smooth footage. ActiveTrack 7.0 provides precise subject tracking, even if the subject is momentarily obscured or moving rapidly. The Multifunctional Module enables intelligent tracking on any app for iPhone and Android phones, supporting Apple ProRes, zoom tracking, and more native camera features.



Image: Demonstrates native camera app tracking, lighting, and audio reception capabilities.

Controls and Gestures

Effortlessly control the gimbal with the integrated joystick and buttons. The Multifunctional Module supports gesture control for remote phone operation. Use the 'Palm' gesture to start or stop intelligent tracking, and the 'Double L' gesture to adjust framing. Remote control is also possible with a compatible Apple Watch.



Image: User demonstrating gesture control and remote control with Apple Watch.

Fill Light

The Multifunctional Module includes a fill light with adjustable brightness and color temperature, improving image quality in overcast or low-light conditions. This is ideal for live streaming and daily recording.

Audio Recording

Utilize the DJI OsmoAudio™ ecosystem for immersive, crystal-clear sound. The Multifunctional Module acts as a receiver for DJI Mic 2/DJI Mic Mini transmitters (sold separately).

Gimbal Modes

- **Pan Follow (PF):** The camera pans left and right following your movements, while tilt and roll axes are locked.
- **Tilt Follow (TF):** The camera follows both pan and tilt movements, keeping the roll axis locked.
- **FPV (First Person View):** All three axes follow your movements, providing a dynamic, immersive perspective.
- **SpinShot:** Allows for 360-degree rotation of the phone for unique cinematic effects.

One-Tap Edit & ShotGuides

Pair your Osmo Mobile 7P with DJI Mimo for ShotGuides and One-Tap Edit. Film and edit like a pro, saving time and enhancing your creative storytelling instantly.

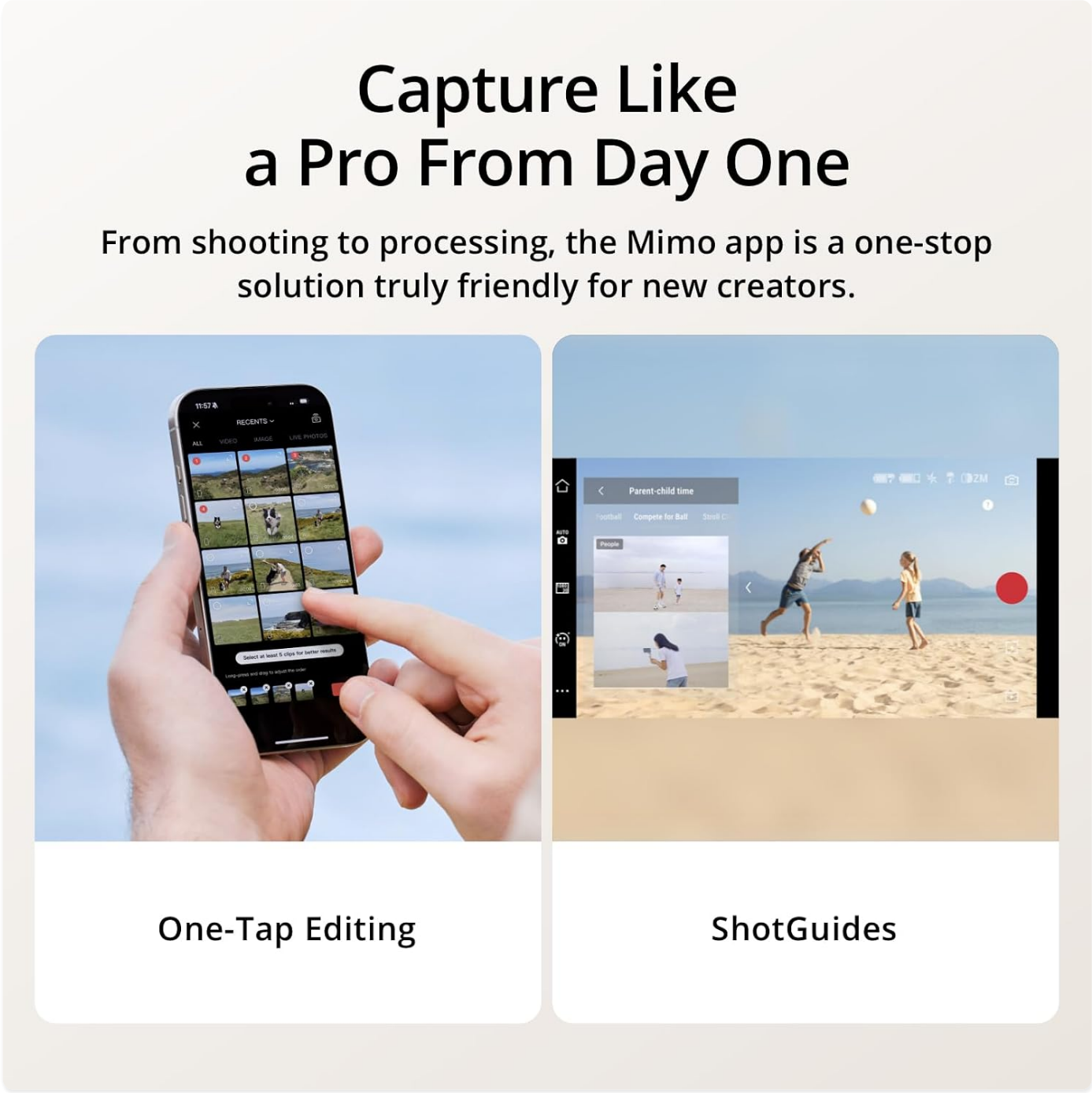


Image: Screenshots of DJI Mimo app showing One-Tap Editing and ShotGuides interfaces.

Official Product Video: Multifunctional Module Overview

Video: An official overview of the DJI Osmo Mobile 7 Series Multifunctional Module, detailing its features and usage.

5. Maintenance

Keep the gimbal clean and free from dust. Use a soft, dry cloth for cleaning. Avoid exposing the device to extreme temperatures or harsh chemicals. Store in the provided pouch when not in use.

6. Troubleshooting

Common Issues and Solutions

- **Multifunctional Module Tracking Issues:** If the module isn't tracking correctly with the DJI Mimo app, try using your phone's native camera app instead.
- **Camera View Tilted:** Check if the magnetic phone clamp is correctly aligned. If the issue persists, perform gimbal auto-calibration and horizontal gimbal adjustment in the DJI Mimo app.
- **Gimbal Balancing:** Due to its powerful motors, accurate balancing is not needed for the Osmo Mobile 7 Series.
- **Using with Phone Case:** You can use the magnetic phone clamp with your phone case on, as long as the combined thickness of the smartphone and the case does not exceed 10 mm.
- **Apple Watch/iPhone Compatibility:** Apple Watch Series 7/8/9/10, Apple Watch SE 2, Apple Watch Ultra 1/2 with watchOS 9 or later are compatible. Remote control with a watch is only applicable to the Osmo Mobile 7 Series, Osmo Mobile 6, and Osmo Mobile SE.
- **Intelligent Tracking Apps:** The Multifunctional Module allows intelligent tracking in your smartphone's native camera app (including Cinematic mode on iPhones), live streaming platforms (TikTok, Facebook, Instagram), voice calls, video conferences, and professional camera apps (Blackmagic Camera, Protakes).
- **Charging While in Use:** Yes, the gimbal supports charging while in use.

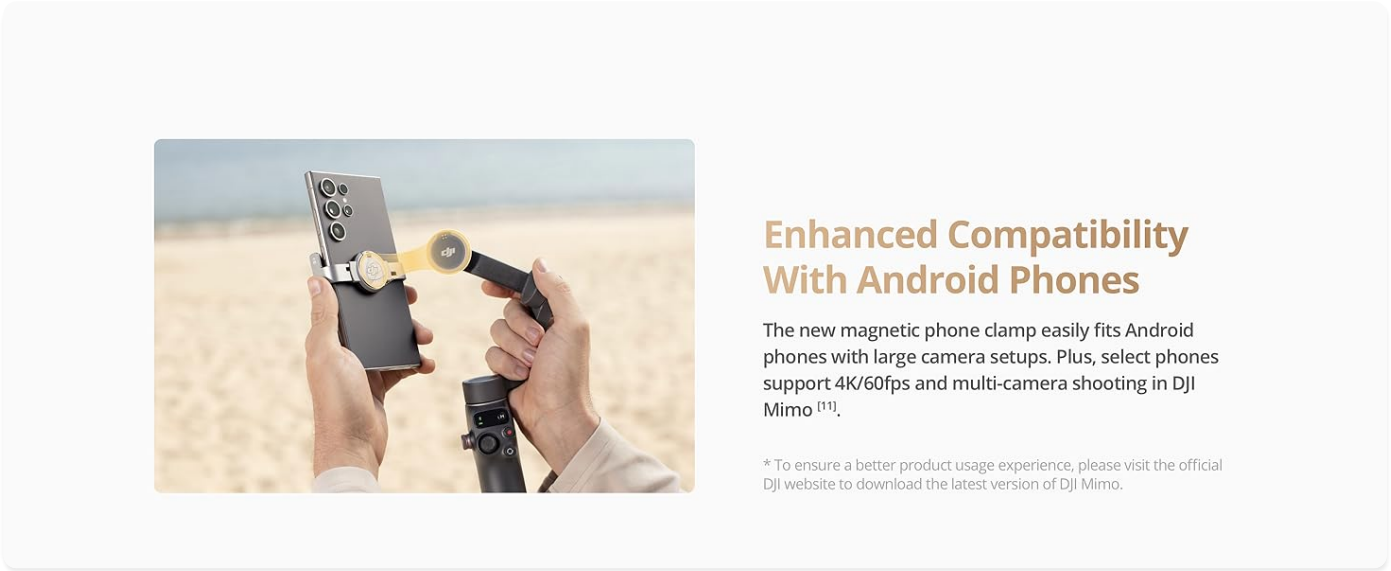


Image: Frequently Asked Questions regarding smartphone compatibility and gimbal usage.

7. Specifications

Feature	Specification
Product Dimensions	11.34 x 4.21 x 3.78 inches (unfolded)
Item Weight	13 ounces (368 Grams)

Maximum Weight Recommendation	300 Grams
Folded Size	190mm x 95mm x 46mm
Batteries	1 CR5 battery (included)
Max Operating Time	10 hours
Compatible Devices	iPhone, Android Cellphones
Color	Grey

Mobile Phone Compatibility

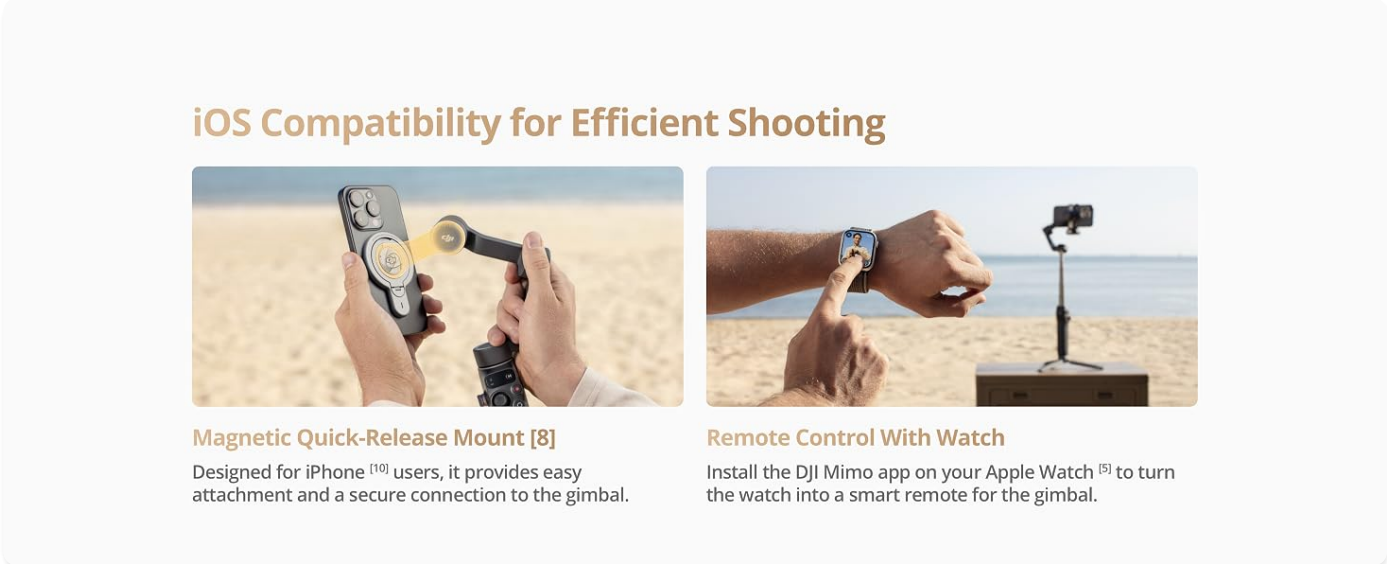


Image: Detailed table showing compatible phone models, supported cameras, zoom ratio, and max video resolution.

8. Warranty & Support

DJI products come with an official warranty. For detailed warranty information, service, and support, please visit the official DJI website. Protection plans are also available for extended coverage.

9. Notes

- The DJI OM Multifunctional Module is required to enable tracking, audio reception (compatible with the DJI Mic 2/DJI Mic Mini Transmitter), and lighting features.
- Currently supports the DJI Mic 2/DJI Mic Mini Transmitter, which is sold separately.
- Auto pop-ups in the DJI Mimo app are only supported on iPhone and may vary based on actual conditions. For first-time use, complete device pairing, enable Quick Launch in the app, and follow the instructions to complete authorization.
- The built-in tripod is suitable for stable, level surfaces in windless environments.
- Currently supports Apple Watch only. For compatible Apple Watch models and detailed app usage instructions, refer

to the official DJI website.

- Measured with the gimbal balanced in a level and stationary state without additional accessories.
- The DJI Mimo app also supports gesture control, but there are some differences. For details, refer to the related tutorial video.
- Sold separately.
- ActiveTrack 7.0 is only available within the DJI Mimo app.
- Only supports iPhone 12 and later models; compatible with Apple's official iPhone cases with MagSafe, allowing for easy use without removing the case.
- For more information, check the smartphone compatibility list on this page.

Which smartphones are compatible?

The Osmo Mobile 7 Series is compatible with most smartphones on the market. It is recommended to use smartphones with a width of 67-84 mm, thickness of 6.9-10 mm, and weight of 170-300 g.
Please visit the official DJI website for the full smartphone compatibility list.

Does the gimbal require balancing before use?

No. Due to its powerful motors, accurate balancing is not needed for the Osmo Mobile 7 Series. When using the magnetic phone clamp, simply attach it approximately to the middle of the smartphone.

What should I do if the camera view is tilted after the gimbal is powered on?

1. Check if the magnetic phone clamp is correctly aligned with the gimbal's magnetic attachment area.
2. Check if the magnetic phone clamp is attached approximately to the middle of the smartphone.
3. If the issue still exists, perform gimbal auto-calibration and horizontal gimbal adjustment in the DJI Mimo app.

Can I use the magnetic phone clamp with my phone case on?

Yes, as long as the combined thickness of the smartphone and the case does not exceed 10 mm.

Image: Important notes and disclaimers related to the DJI Osmo Mobile 7P's features and compatibility.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question