

ZHIYUN Smooth-Q

Zhiyun Smooth Q Gimbal Stabilizer User Manual

Model: Smooth-Q

INTRODUCTION

The Zhiyun Smooth Q is a high-precision 3-axis handheld gimbal stabilizer designed for smartphones, offering enhanced stability and control for mobile videography. It features a robust stabilizing algorithm, intuitive controls, and extended battery life, making it an ideal tool for capturing smooth, professional-looking footage.



Image: The Zhiyun Smooth Q Gimbal Stabilizer, shown with a smartphone mounted, along with its included carrying case and bubble padding.

SETUP AND BALANCING

Proper setup and balancing are crucial for optimal performance of your Smooth Q gimbal. Follow these steps to prepare your device for use.

1. **Charging the Gimbal:** Before first use, fully charge the Smooth Q. Connect the gimbal to a power source using the provided USB cable. The gimbal supports real-time mobile charging, acting as a portable power solution for your phone.



EACHSHOT Mini Tripod
EACHSHOT Cleaning Cloth



Image: The USB charging port on the Zhiyun Smooth Q, which also provides 5V/2000mA output for charging mobile devices.

2. **Mounting Your Smartphone:** Extend the phone clamp and securely place your smartphone in the clamp. Ensure the phone is centered and stable. The Smooth Q supports a maximum payload of 220g, allowing for various smartphone models and accessories.
3. **Balancing the Gimbal:** The Smooth Q features an extendable axis for easy balancing without the need for counterweights.
 - Before powering on the gimbal, manually adjust the extendable arm until your smartphone is level and balanced. This prevents the motors from overworking and ensures smooth operation.
 - You can freely switch your phone between standard (horizontal) and vertical shooting orientations by adjusting the phone clamp.



Image: The Zhiyun Smooth Q demonstrating both horizontal and vertical smartphone mounting capabilities.

OPERATING THE GIMBAL

The Smooth Q offers intuitive controls and various modes to enhance your mobile videography experience.

Control Panel Overview



Image: A detailed view of the Zhiyun Smooth Q's control panel, featuring the joystick, mode button, and zoom slider for easy operation.

- **Joystick:** Controls the pan and tilt movements of the gimbal.
- **Mode Button:** Cycles through different operating modes.
 - **Pan Following Mode:** The camera pans left/right following your hand movements, while tilt and roll axes are locked.
 - **Locking Mode:** All three axes (pan, tilt, roll) are locked, keeping the camera pointing in a fixed direction.
 - **Following Mode:** The camera follows both pan and tilt movements of your hand, while the roll axis is locked.
- **Photo/Record Button:** Press to take a photo or start/stop video recording.
- **Zoom Slider (T/W):** Adjusts the zoom level of your smartphone camera. 'T' for telephoto (zoom in), 'W' for wide (zoom out).
- **Rear Camera/Selfie Mode Button:** Quickly switch between front and rear cameras on your smartphone.

ZY Play App

Download the ZY Play app from your smartphone's app store for advanced features and settings. The app supports:

- **Auto-Tracking:** Automatically tracks a selected subject.
- **Time-Lapse:** Create dynamic time-lapse videos.
- **Filter Options:** Apply various filters to your footage.
- **Gimbal Settings:** Fine-tune motor parameters and control responsiveness.

The controllable range of the gimbal is: Pan: 360°; Roll: $\pm 30^\circ$; Tilt: +185° to -135°.

MAINTENANCE

To ensure the longevity and optimal performance of your Zhiyun Smooth Q, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the gimbal body. Avoid using liquid cleaners or solvents that may damage the finish or internal components.
- **Storage:** When not in use, store the gimbal in its protective carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50-60% to preserve battery health. Recharge every 3 months if not in use.

- **Avoid Overloading:** Do not exceed the maximum payload of 220g to prevent strain on the motors.

TROUBLESHOOTING

If you encounter issues with your Smooth Q gimbal, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gimbal is lopsided or unstable after power on.	Improper balancing before power on.	Ensure the smartphone is perfectly balanced on the extendable axis before turning on the gimbal. Power off, re-balance, then power on.
Motors vibrate or make unusual noises.	Overload, improper balancing, or motor calibration issue.	Check phone weight (max 220g). Re-balance the phone. If issue persists, perform a motor calibration via the ZY Play app.
ZY Play app connectivity issues (Bluetooth).	Bluetooth interference, app glitch, or outdated firmware.	Restart both the gimbal and your smartphone. Ensure Bluetooth is enabled. Try reinstalling the ZY Play app. Check Zhiyun's official website for firmware updates.
Difficulty switching modes or unresponsive buttons.	Incorrect button press sequence or temporary software glitch.	Refer to the "Operating the Gimbal" section for correct button usage. Power cycle the gimbal. Ensure the app is not interfering with controls.
Gimbal does not charge or hold a charge.	Faulty cable/charger, or battery issue.	Try a different USB cable and a reliable 5V/2A charger. Ensure the charging port is clean. If the issue persists, contact customer support.

SPECIFICATIONS

Key technical specifications for the Zhiyun Smooth Q Gimbal Stabilizer:

- **Model:** Smooth-Q
- **Product Dimensions:** 4.65 x 4.13 x 11.22 inches
- **Item Weight:** 1.65 pounds (0.75 kg)
- **Batteries:** 2 Lithium Ion batteries required (built-in)
- **Controllable Range:** Pan: 360°; Roll: ±30°; Tilt: +185° to -135°
- **Maximum Payload:** 220g
- **Working Duration:** Approximately 8 hours
- **Charging Output:** 5V/2000mA (for mobile charging)
- **Compatible Devices:** Smartphones (iPhone, Android, Samsung Galaxy, etc.)
- **Date First Available:** December 23, 2016
- **Manufacturer:** zhiyun+Dshot
- **UPC:** 714812985065, 761460727295, 611968664533, 699992941431, 635749096818, 611968664663, 761460727356

WARRANTY AND SUPPORT

Zhiyun provides warranty coverage for manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or service, please visit the official Zhiyun website or contact their customer service department. Using only official Zhiyun chargers is recommended to maintain warranty validity. For more information, visit the [ZHIYUN Store on Amazon](#).

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