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> APOCHUAN Smart G1 Gimbal Stabilizer User Manual

AOCHUAN SG1

AOCHUAN Smart G1 Gimbal Stabilizer User Manual

Model: SG1

INTRODUCTION

The APOCHUAN Smart G1 is a professional-grade 3-axis handheld gimbal stabilizer designed for action cameras, ensuring smooth and steady footage. It features advanced anti-shake technology, multiple shooting modes, and a long-lasting battery, making it an essential tool for capturing dynamic shots.

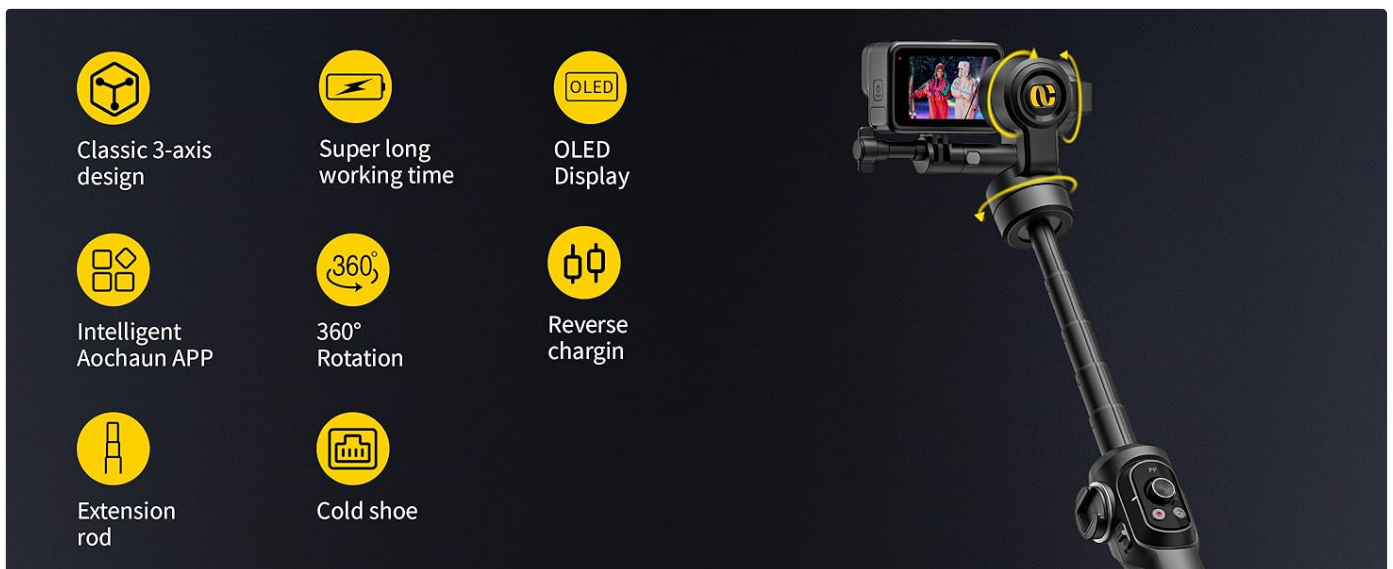


Image: The APOCHUAN Smart G1 Gimbal showcasing its professional stabilization capabilities with an action camera mounted.

WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- SMART G1 gimbal ×1
- Tripod ×1
- USB-C charging cable ×1

- User manual x1



Image: A visual representation of all components included in the AOCHUAN Smart G1 package: the gimbal, a mini tripod, USB-C charging cables, and a carrying case.

What's in the box



Image: A detailed diagram illustrating the complete packing list for the Aochuan Smart G1, ensuring all accessories are accounted for.

SETUP

Mounting Your Action Camera

The Smart G1 gimbal supports most action cameras with a load capacity of up to 200 grams (0.44 pounds). It is compatible with GoPro Hero 12/11/10/9/8/7/6/5, OSMO Action, and Sony RX0.

There are two primary methods for installing your action camera:

1. **Cage Installation:** Secure your camera within a compatible cage before mounting it to the gimbal.
2. **Folding Mount Installation:** Directly attach cameras with a folding mount to the gimbal's mounting plate.



Image: A visual guide demonstrating the two supported installation methods for action cameras on the gimbal.

Important Note:

Only GoPro series cameras can connect to the gimbal via Bluetooth to control the camera. Other action cameras can still be adapted for smooth videos but the gimbal buttons will not control them.

OPERATING INSTRUCTIONS

Connecting GoPro via Bluetooth

1. On your GoPro (e.g., GoPro 10), open the settings interface.
2. Select "Connect" and then "Connect Device".
3. Choose "GoPro Quik app".
4. Triple-click the stabilizer's shoot button. A search icon will appear on the OLED screen. The device will automatically connect.
5. If connection fails, the search icon disappears. Triple-click the shoot button again to reconnect. If still unable to connect, reset the connection on the GoPro and try again.
6. Upon successful connection, the OLED screen will display the current GoPro mode (e.g., photo, video, time-lapse).

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Video: AOCHUAN Smart G1 Operation Guide - This video demonstrates the steps for connecting your GoPro to the gimbal and basic button operations.

Basic Controls

• Shoot Button:

- Single click: Take photos or record videos.
- Double click: Switch between photo, video, and time-lapse photography modes.
- Long press: Disconnect the GoPro.
- Triple click: Re-pair the GoPro.

- **Joystick:**

- Single click: Cycle through POV, PF (Pan Follow), F (Full Follow), and L (Full Lock) modes.
- Move up, down, left, or right: Adjust the shooting direction of the camera.
- Double click: Quickly reset the GoPro's position.

- **Left Lever:** Push up and down to adjust the horizontal state of the device.

- **AB Buttons (Right Side):** Used for moving shots and setting trajectory.

Professional & Versatile



Image: A detailed view of the AOCHUAN Smart G1's control panel, highlighting the OLED display, joystick, shoot button, power button, and other key features.

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Video: AOCHUAN Smart G1 Tutorial Video - This tutorial provides a comprehensive guide to using the gimbal's various functions and controls.



Shooting Modes

The Smart G1 offers multiple shooting modes to enhance your video capture:


- **PF (Pan Follow Mode):** The camera pans left and right following your hand movements, while tilt and roll axes are locked.
- **L (Full Lock Mode):** All three axes (pan, tilt, roll) are locked, keeping the camera pointing in a fixed direction.
- **F (Full Follow Mode):** The camera follows your pan and tilt movements, while the roll axis is locked.
- **POV (Point of View Mode):** The camera follows all three axes, providing an immersive first-person perspective.
- **DM (Inception Mode):** Allows for 360-degree rotation along the roll axis, creating a spinning effect. Double click the back trigger button to enter DM auto-rotation mode. Double click the joystick to stop and reset.
- **Go (Go Mode):** Provides quick transitions and rapid response for fast-paced action. Long press the trigger button to enter Go mode.

Professional Smart 6.0 stabilization

Professional-grade structural design and stabilization algorithms, paired with a powerful motor, enable you to capture cinematic-quality videos effortlessly.



Aochuan Smart G1



Without Gimnal

Image: An overview of the six distinct shooting modes available on the AOCHUAN Smart G1 gimbal, each designed for specific filming scenarios.

No angle limited 360° infinite rotation, professional-level camera movement



Image: The gimbal's ability to perform 360° infinite rotation for professional-level camera movement.

Advanced Features

- **Landscape/Portrait Mode Switching:** Hold the stabilizer horizontally. Single click the back trigger button to quickly switch between landscape and portrait mode.

- **A-B Spot Motion:**

- a. Long press the AB button to enter AB mode.
- b. Move the joystick to adjust the GoPro direction for starting position A. Single click the AB button to set position A.
- c. Move the joystick again to adjust the GoPro direction for ending position B. Double click the AB button to set position B.
- d. Push the left lever up and down to adjust the shooting duration.
- e. After setting, triple-click the AB button to automatically start the moving shot.

- **Built-in Extension Rod:** The gimbal handle includes a built-in 19cm metal extension rod for capturing unique angles and expansive shots.

- **Universal Cold Shoe:** Equipped with a universal cold shoe, allowing you to attach additional accessories like microphones and lights.

- **APP Control:** Control all movements of the gimbal remotely with the intuitive mobile app.



Built-in 19cm metal extension rod

Image: The AOCHUAN Smart G1 with its built-in 19cm metal extension rod, enabling extended reach for diverse shots.

Long lasting & Charging your camera

Equipped with a robust 5200mAh battery that delivers an impressive 18 hours of runtime and also features reverse charging to keep your camera powered up on the go.



5200mAh



Image: The built-in metal extension rod allows for easy shooting of high or low angle videos and photos, offering versatile filming options.

Elevate Your Filming to Professional Levels



Universal
code shoe

Image: The universal cold shoe on the gimbal, allowing for attachment of accessories like lights and microphones.

Built-in metal extension rod

Easily shoot high or low angle videos and photos, versatile filming.



Image: The gimbal's universal cold shoe feature, designed for easily attaching external accessories.

APP Control

Control all the movement of the gimbal with your phone!



Image: The AOCHUAN Smart G1 gimbal being controlled via its dedicated mobile application.

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Video: AOCHUAN Smart G1 App Operation and Function Introduction - This video introduces how to operate the gimbal using its mobile application and explores its various functions.

Two installation methods

Designed for both cage and folding mount installations!



Image: Remote control functionality of the gimbal through its intuitive mobile app.

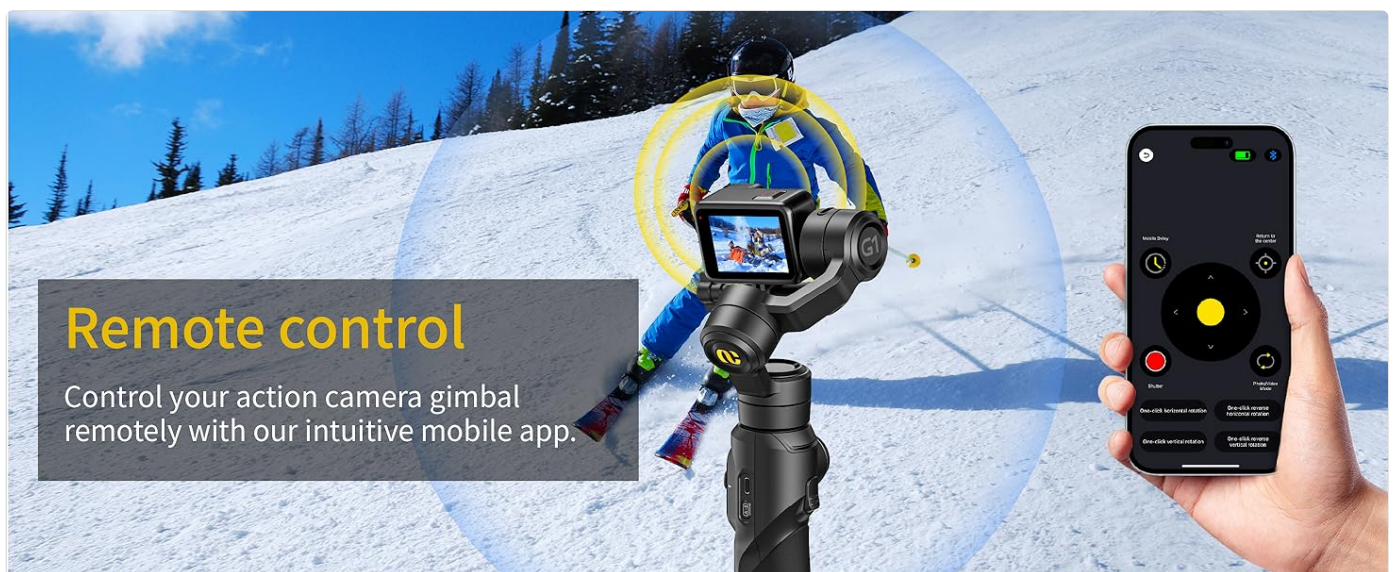


Image: Setting customized A-B spot motion to create smooth, controlled camera sweeps.

MAINTENANCE

Charging the Gimbal and GoPro

The Smart G1 gimbal has a built-in 6400mAh Li-ion battery, providing a standby time of 20 hours after a 4.5-hour charge. It also supports reverse charging for your GoPro.

1. Take out the GoPro charging cable (USB-C to USB-C).
2. Insert one end into the GoPro's charging port.
3. Insert the other end into the Smart G1's output port.
4. Single click the power button on the gimbal to start charging the GoPro. The OLED screen will display a charging icon.
5. Single click the power button again to turn off the GoPro charging function.

Capture More, Worry Less 18h Ultra-Long Battery Life



Image: The gimbal's impressive 18-hour ultra-long battery life, powered by a 5200mAh battery.

Six shooting modes

PF: Pan follow mode

L: Full lock mode

F: Full follow mode

POV: POV mode

DM: Inception mode

Go: Go mode



Battery



Charging for
camera



GoPro modes

TROUBLESHOOTING

Connection Issues

If you experience difficulty connecting your GoPro to the gimbal via Bluetooth:

- Ensure your GoPro's Bluetooth is enabled and in pairing mode.
- Triple-click the gimbal's shoot button to re-initiate the search.
- If issues persist, reset the connection settings on your GoPro and attempt the pairing process again.

Gimbal Malfunctions

If the gimbal motors fail or it loses balance:

- Perform a quick power cycle (turn off and on) to reset the gimbal.
- Ensure the camera is properly balanced on the gimbal before powering on.
- Check for any obstructions or damage to the gimbal's axes.
- If the issue is persistent, refer to the warranty and support section for further assistance.

SPECIFICATIONS

Feature	Detail
Model Number	SG1
Product Dimensions	5 x 4.8 x 12 inches (12.7 x 12.2 x 30.5 cm)
Item Weight	1.17 pounds (530 grams)
Maximum Weight Recommendation	0.44 pounds (200 grams)
Battery Type	1 Lithium Ion battery (included)
Battery Capacity	6400mAh (approx. 5200mAh usable for runtime)
Standby Time	Up to 20 hours

Feature	Detail
Charging Time	Approx. 4.5 hours
Compatible Devices	GoPro Hero 12/11/10/9/8/7/6/5, OSMO Action, Insta360 ONE R, Sony RX0 (Note: Bluetooth control only for GoPro series)
Manufacturer	AOCHUAN
Country of Origin	China



Image: A visual guide to the versatile compatibility of the Smart G1 gimbal with various action camera models.

WARRANTY AND SUPPORT

For warranty claims, technical support, or any inquiries regarding your AOCHUAN Smart G1 Gimbal Stabilizer, please contact the manufacturer directly through their official support channels. Refer to the packaging or the official AOCHUAN website for contact information.