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AOCHUAN SX2 WH

AOCHUAN Smart X2 Gimbal Stabilizer User Manual

Model: SX2 WH

1. Setup and Initial Use

This section guides you through the initial setup of your Smart X2 Gimbal Stabilizer.

1.1 Unboxing and Assembly

Upon receiving your Smart X2, ensure all components are present: the gimbal, tripod, USB-C charging cable, and user manual.



Image: AOCHUAN Smart X2 Gimbal Stabilizer, showing the main unit, tripod, and charging cable.

1.2 Attaching the Tripod and Unfolding

Screw the tripod securely into the base of the gimbal. Place the gimbal on a flat surface. Hold the device with both hands and unfold the folding arm upwards until the phone holder faces you in a '7' shape, ensuring the phone holder's clip is facing up.

1.3 Phone Mounting and Balancing

Pull open the phone holder and securely place your smartphone in the center. If your phone's camera is large or heavy, adjust the phone slightly left or right within the holder to achieve optimal balance. This ensures smooth operation and prevents motor strain.



Image: Proper phone mounting and handling of the gimbal.

1.4 Powering On/Off

After installing your phone, press and hold the power button on the right side of the gimbal for three seconds to turn it on. To power off, press and hold the power button again for three seconds.

1.5 Bluetooth Connection and App Download

To unlock the full potential of your Smart X2, connect it to your smartphone via Bluetooth and download the AOCHUAN app. Turn on your phone's Bluetooth, open the AOCHUAN app, and it will automatically search for the stabilizer's Bluetooth (named "SMART_X2"). Follow the on-screen prompts to confirm the connection. Once the Bluetooth indicator light on the gimbal turns on, the connection is successful.

Video: "How to use Smart X2 mobile phone stabilizer?" This video demonstrates the setup process, including phone mounting, balancing, powering on, and Bluetooth connection.

2. Operating Instructions

Familiarize yourself with the gimbal's controls and various operating modes.

2.1 Button Functions

- **Shutter Button:**
  - Single-click: Takes a photo or starts/stops video recording.
  - Double-click: Switches between horizontal and vertical shooting modes.
  - Triple-click (in app): Switches between front and rear cameras.
  - Long-press (in app): Enables/disables smart tracking.
- **M Button (Mode Switch):**
  - Single-click: Toggles between F mode and POV mode. The corresponding indicator light will illuminate.
  - Double-click: Quickly resets the phone's position to the center.
  - Triple-click: Activates DM (Inception) automatic rotation mode.
  - Press and hold: Enters S (Sport) mode for faster transitions.

- **Joystick:** Move the joystick up, down, left, or right to adjust the phone's shooting direction.
- **Wheel Combination Key:**
    - Single-click: Switches between zoom and focus control.
    - Rotate clockwise: Zooms in (default) or adjusts focus sharpness.
    - Rotate counter-clockwise: Zooms out (default) or adjusts focus sharpness.
    - Double-click: Activates 280° automatic panoramic shooting mode.

2.2 Gimbal Modes

The Smart X2 offers four distinct modes, indicated by the handle lights:

- **F Mode (Common Mode):** The phone follows left/right and up/down movements of the gimbal. Suitable for horizontal or vertical panning shots.
- **POV Mode (Cool Mode):** In addition to F mode functions, POV mode allows tilt shots and is suitable for shooting from any angle, offering 360° follow.
- **DM Mode (Rotation Mode):** The phone automatically rotates 180° for dynamic shots.
- **S Mode (Sport Mode):** Similar to F mode but with stronger motor power, ideal for fast transitions and quick left/right and up/down follow.



Image: Visual representation of the four gimbal modes and their functions.

2.3 Smart Tracking Features (via AOCHUAN App)

The AOCHUAN app enhances your shooting experience with advanced tracking capabilities:

- **Face Tracking:** When a face appears in the phone's view, the device will automatically track it.
- **Body Tracking:** When a body appears on the screen, the device will follow it. Body tracking is suitable for long-distance tracking. Keep some distance from the phone to avoid interference in recognition.
- **Object Tracking:** Draw a box around the subject on the phone screen to start tracking.
- **Other APP Tracking:** For tracking using your phone's native camera or other third-party apps (e.g., TikTok, YouTube), select the tracking camera (front/rear) and platform within the AOCHUAN app's live broadcast settings. Then, click 'Start Live Stream' to open your phone's home screen, allowing you to choose any app for smart tracking. Triple-click the shutter button to start/stop tracking.

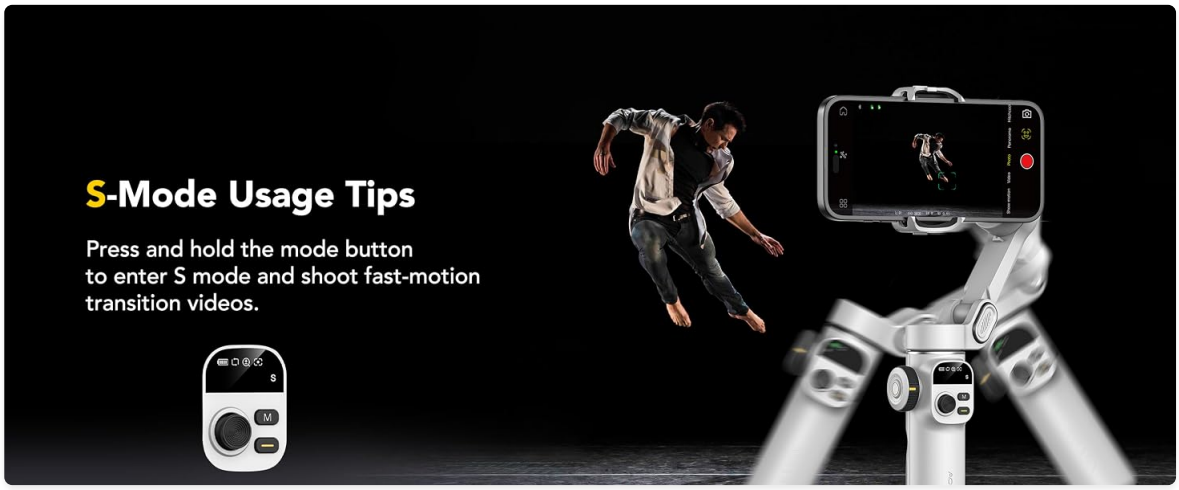


Image: The gimbal in Movie Mode, demonstrating its capability for film-quality works.

2.4 Gesture Control (via AOCHUAN App)

Gesture control is enabled by default in the app (icon will be yellow). Click the icon to view all gesture controls:

- **OK Gesture:** Show an OK gesture to the camera to enable face tracking. Show it again to disable tracking.
- **Palm Gesture:** Show a palm gesture to the camera for a 3-second countdown to automatically take a photo or video. Repeat to stop recording.
- **Double Thumbs Up Gesture:** Show two thumbs up to switch between landscape and portrait modes.
- **Fist Gesture:** Show a fist to switch between photo and video modes.
- **Double L Gesture:** Show a double L gesture to pause gesture recognition, preventing any further control through gestures. Repeat to re-enable gesture control.

3. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Smart X2 Gimbal Stabilizer.

3.1 General Care and Cleaning

Keep the gimbal clean and free from dust and debris. Use a soft, dry cloth to wipe down the surfaces. Avoid using harsh chemicals or abrasive materials that could damage the finish or internal components. Do not expose the gimbal to extreme temperatures or direct sunlight for prolonged periods.

3.2 Battery Care

The Smart X2 uses 1 Lithium Ion battery (included). For optimal battery life, charge the gimbal fully before first use and periodically if stored for extended periods. Avoid completely draining the battery frequently. Use only the provided USB-C charging cable.

3.3 Storage

To store the gimbal, first power it off. Remove your phone from the holder. Flip the phone holder down, ensuring the clip fits into the groove on the back of the stabilizer. Fold the gimbal into its compact form. Store it in a cool, dry place, ideally in its original packaging or a protective case, away from direct sunlight and moisture.



Image: The complete package contents, including the gimbal, tripod, USB-C cable, and user manual.

4. Troubleshooting

If you encounter issues with your Smart X2 Gimbal Stabilizer, refer to the following common problems and solutions.

- **Gimbal not powering on:** Ensure the battery is charged. Connect the USB-C cable to a power source and charge for at least 2 hours.
- **Phone not balancing correctly:** Adjust the phone's position within the holder until it remains level when the gimbal is off. Ensure no phone case or accessories are interfering with balance.
- **Bluetooth connection issues:** Make sure Bluetooth is enabled on your phone and the gimbal is powered on. Restart both the phone and the gimbal, then try connecting again through the AOCHUAN app.
- **Motor vibration or unusual noise:**This often indicates improper phone balancing. Re-balance your phone carefully. Ensure no obstructions are blocking the gimbal's movement.
- **App features not working:** Ensure the AOCHUAN app is updated to the latest version. Check that the gimbal is properly connected via Bluetooth within the app.

5. Specifications

Detailed technical specifications for the AOCHUAN Smart X2 Gimbal Stabilizer.

- **Product Dimensions:** 11.76 x 2.76 x 5 inches (Folded Size: 11.76 inches (l) x 2.76 inches (w) x 5 inches (h))
- **Item Weight:** 12.7 ounces (360 Grams)
- **Maximum Weight Recommendation:** 280 Grams
- **Batteries:** 1 Lithium Ion battery (included)
- **Color:** White
- **Brand:** AOCHUAN
- **Model Number:** SX2 WH
- **Compatible Devices:** iPhone 16 15 14 13 12 Pro Max, Samsung Galaxy S21/S21 Ultra S23 Ultra, Huawei p30 pro/p30/p20 pro/p10/p10 plus.

- **Features:** Enhanced Anti-shake (3-axis), Built-in 20cm Extension Rod, Convenient Zoom and Focus Control, Larger OLED Display, Gesture Control Tracking, Lightweight and Foldable, Multiple creative modes in APP (Panorama, Movie Mode, Hitchcock, Master Shooting Mode).

6. Warranty and Support

For warranty information and customer support, please refer to the details below.

6.1 Protection Plans

Protection plans may be available for purchase separately. Please check with your retailer for options such as 2-Year or 3-Year Protection Plans.

6.2 Manufacturer Support

For technical assistance, troubleshooting, or further inquiries, please contact AOCHUAN Official Store customer support. Refer to the contact information provided in your product packaging or visit the official AOCHUAN website.

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