AOCHUAN Smart XPro

AOCHUAN Smart X Pro Gimbal Stabilizer User Manual

Brand: AOCHUAN | Model: Smart XPro

1. Introduction and Overview

The AOCHUAN Smart X Pro is a foldable 3-axis gimbal stabilizer designed for smartphones, ensuring smooth and stable video recording. It features an upgraded 7.0 anti-shake algorithm, wireless charging capabilities, and smart AI tracking for an enhanced filming experience. Its compact and lightweight design makes it ideal for travelers and content creators.



Figure 1.1: AOCHUAN Smart X Pro Gimbal Stabilizer with phone mounted on tripod.

Video 1.1: Smart X Pro Introduction. This video provides a brief overview of the gimbal's features and design.

2. What's in the Box

- AOCHUAN SMART X Pro gimbal ×1
- Tripod ×1
- USB-C charging cable ×1
- User manual ×1

3. Setup

3.1 Unfolding the Gimbal

Carefully unfold the gimbal from its compact state. The Smart X Pro is designed for instant setup, requiring no unlocking or leveling before use.



Figure 3.1: Instant Setup of AOCHUAN Smart X Pro Gimbal, showing unfolding and phone mounting.

3.2 Mounting Your Smartphone

Extend the phone clip and securely place your smartphone. Ensure the phone is centered and balanced to prevent motor strain. The gimbal supports phones under 7 inches, with a weight of up to 0.62 pounds.

3.3 Attaching the Tripod

Screw the included mini tripod into the 1/4-inch screw hole at the bottom of the gimbal handle for stable tabletop use or extended shooting.

3.4 Powering On

Press and hold the power button to turn on the gimbal. The OLED HD display will show battery status, Bluetooth connection, and the current operating mode.



Figure 3.2: Gimbal controls including power button and OLED display.

4. Operating the Gimbal

4.1 Controls Overview

The Smart X Pro features intuitive controls for seamless operation:

- **OLED HD Display:** Shows battery, Bluetooth, and current mode (PF, L, F, POV).
- **Gimbal Joystick:** Controls pan and tilt movements.
- **Power Button / Fill Light Switch:** Powers the device on/off and controls the built-in fill light.
- **Record Button:** Starts/stops video recording or takes photos.
- **Focus Wheel:** Allows for precise focus adjustments.
- **Zoom Slider:** Controls zoom in/out functionality.
- **Camera/Video Horizontal/Vertical Panel and Wireless Charging Switch:** Toggles between camera/video modes, horizontal/vertical orientation, and activates wireless charging.

4.2 Gimbal Modes

The gimbal offers various modes for different shooting scenarios:

- **PF (Pan Follow Mode):** Pan axis follows your movement, tilt and roll axes are locked.
- **L (Full Lock Mode):** All axes are locked, keeping the camera pointed in one direction.
- **POV (POV Mode):** All three axes follow your movement, providing a first-person perspective.
- **F (Full Follow Mode):** Pan and tilt axes follow your movement, roll axis is locked.
- **DM (Inception Mode):** Rotates the phone 360 degrees for a spinning shot effect.

4.3 Smart AI Tracking 6.0 & Gesture Control

Utilize the AOCHUAN app for advanced tracking features:

- **Face Tracking:** Keeps your face perfectly centered.
- **Body Tracking:** Tracks your body movement.
- **Object Tracking:** Keeps any selected object in focus.
- **Gesture Control:** Use specific hand gestures to control recording and tracking (e.g., Fist gesture to toggle video/photo, Palm gestures for countdown, OK gesture for start/stop face tracking, Thumbs up gesture to switch between portrait/landscape, L-shaped gesture to start/stop gesture recognition).



Figure 4.1: Various gesture controls for the Smart X Pro Gimbal.

4.4 Built-in Fill Light

The gimbal features a built-in fill light with 3 levels of brightness (up to 6000lux, 5500k CCT) for optimal lighting in any environment. Tap the power button to cycle through brightness levels.



Figure 4.2: Built-in fill light with three adjustable brightness levels.

4.5 Wireless Charging

The phone clip includes a wireless charging module. Activate it with one touch to keep your phone powered during extended shoots.



Figure 4.3: Wireless charging feature of the Smart X Pro Gimbal.

4.6 AOCHUAN App Functions

Download the "AOCHUAN" app from your device's app store to unlock full functionality, including:

- **Hitchcock:** Set start/end positions and shooting time for automatic Hitchcock effects.
- **Inception:** Cinematic spinning shots.
- **Slow Motion:** Capture high-frame-rate video.
- **Time Lapse:** Condense long events into short videos.
- **Panorama:** Create wide panoramic photos (180°/330°/3x3/3x5).
- **Movie Mode:** Advanced cinematic shooting options.



Figure 4.4: AOCHUAN App interface showing various shooting functions.

5. Maintenance

5.1 Battery Care

The gimbal is equipped with a built-in 3200mAh Li-ion battery, offering 8-10 hours of standby time. The battery is removable and rechargeable, allowing for convenient replacement. Charge the battery using the provided USB-C cable.



Figure 5.1: Replaceable battery compartment of the Smart X Pro Gimbal.

5.2 Cleaning

Wipe the gimbal with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface.

6. Troubleshooting

6.1 Motor Calibration

If the gimbal motors are not functioning correctly or the device is not stable, perform a motor calibration. Refer to the official video for detailed instructions.

Video 6.1: Motor Calibration Video. This video demonstrates the steps for calibrating the gimbal motors.

6.2 Common Issues

- **Gimbal not balancing:** Ensure your phone is properly centered in the clamp and the counterweight is adjusted correctly.
- **Connectivity issues:** Check Bluetooth connection in the AOCHUAN app and ensure the gimbal is powered on.
- **Unresponsive controls:** Verify the gimbal is powered on and fully charged. If issues persist, try restarting the device.

7. Specifications

Feature	Detail
Product Dimensions	10.5 x 4.9 x 2.6 inches
Item Weight	10.9 ounces (310 Grams)
Item Model Number	Smart XPro
Batteries	1 Lithium Ion battery required (included)
Maximum Weight Recommendation	0.7 Pounds
Folded Size	6.4 x 4.3 x 2.1 inches
Manufacturer	AOCHUAN
Country of Origin	China
Compatible Devices	iPhone 15/14/13/12/11 Pro Max, Samsung Galaxy S21/S21 Ultra/S23 Ultra, Huawei p30 pro/p30/p20 pro/p10/p10 plus (under 7 inches, 0.62 lbs, 6.3"L x 3.5"W x 0.4"T)

8. Warranty and Support

Each AOCHUAN gimbal is granted with a 12-month return policy. For detailed information and further assistance, please refer to the official user guide.

Official User Guide (PDF): Download Here