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AOCHUAN X2 Black

AOCHUAN Smart X2 Gimbal Stabilizer User Manual

Model: X2 Black

1. INTRODUCTION

Thank you for choosing the AOCHUAN Smart X2 Gimbal Stabilizer. This 3-axis smartphone gimbal is designed to enhance your mobile videography with smooth, stable footage, an extendable rod, and intelligent features. This manual provides essential information for setting up, operating, and maintaining your device to ensure optimal performance.

The Smart X2 features an upgraded motor for enhanced stability, a new control knob for zoom and focus, a clear OLED display, and a built-in 20cm extension pole. It also supports smart tracking with gesture control and various creative shooting modes via the AOCHUAN app.

2. PRODUCT OVERVIEW

2.1 Components

The package includes the Smart X2 gimbal, a USB-C charging cable, and this user manual. Your smartphone is not included.



Figure 2.1: Smart X2 Gimbal Stabilizer and included accessories.

2.2 Key Features

- **Enhanced Stability:** Upgraded motor for smoother, shake-free videos.
- **New Control Knob:** Allows single-click zoom and focus adjustment.
- **Clear OLED Display:** Provides clear visual feedback on Bluetooth and mode settings.
- **Built-in 20cm Extension Pole:** Integrated aluminum alloy rod for versatile shooting angles.
- **Smart Tracking with Gesture Control:** Activates facial tracking via the AOCHUAN app with hand gestures.
- **Compact and Foldable Design:** Lightweight and portable for easy carrying.
- **Creative Shooting Modes:** Access panorama, Hitchcock, movie mode, and master shooting mode via the AOCHUAN App.

AOCHUAN 8.0 Smart Stabilization



Figure 2.2: Visual representation of Aochuan 8.0 Smart Stabilization.

HD OLED large screen

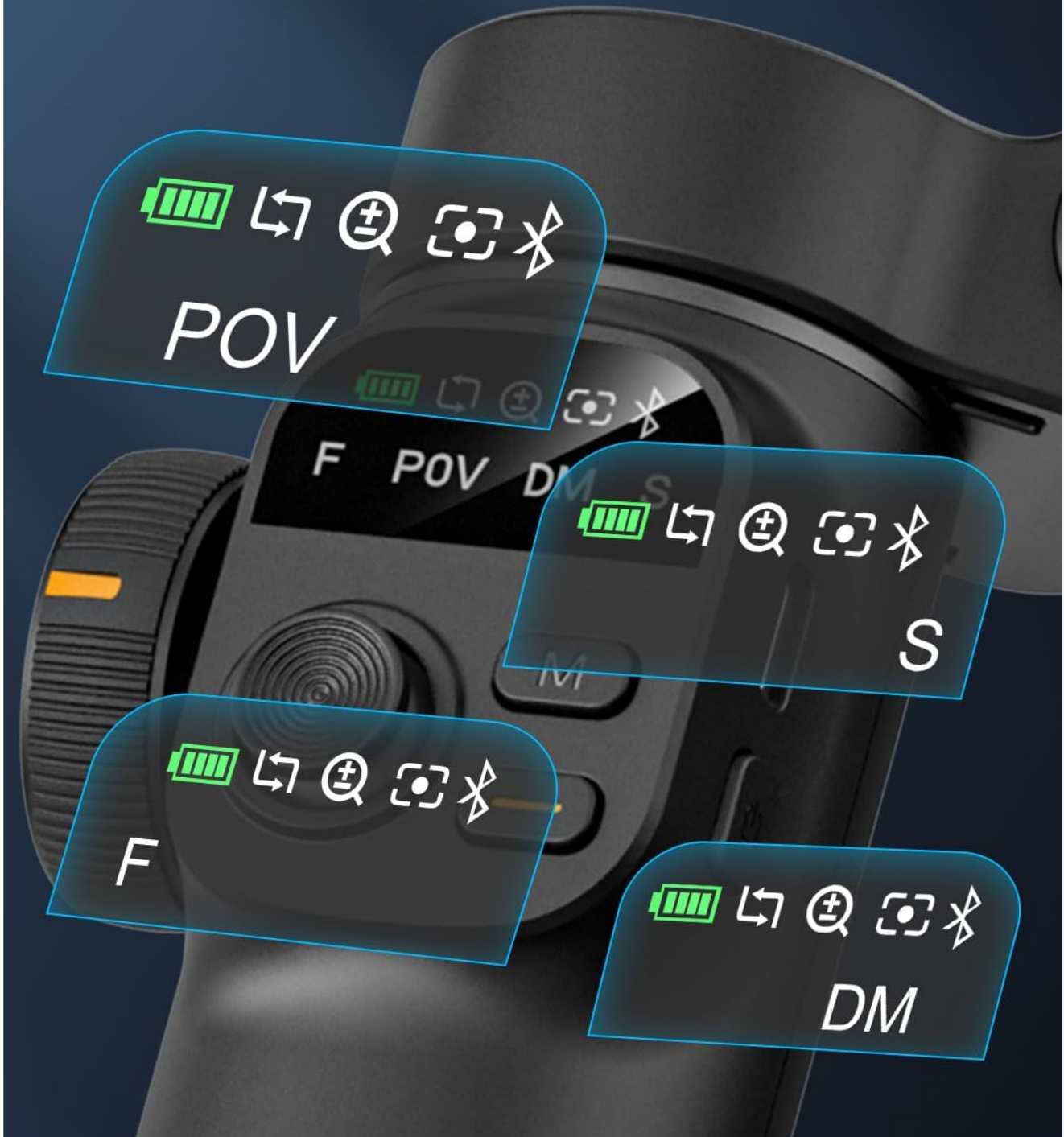


Figure 2.3: Close-up of the HD OLED large screen displaying various modes and battery status.

3. SETUP

3.1 Charging the Gimbal

Before first use, fully charge the Smart X2 using the provided USB-C charging cable. Connect the cable to the gimbal's charging port and a compatible USB power source. The battery indicator on the OLED screen will show charging progress.

3.2 Mounting Your Smartphone

Extend the phone clip and securely place your smartphone in the holder. The phone clip can be extended within a range of 55mm-90mm, suitable for most phones. Ensure the phone is centered and balanced in the clip for optimal performance.

Wide Adaptability

The phone clip can be extended within a range of 55mm-90mm, suitable for most phones.

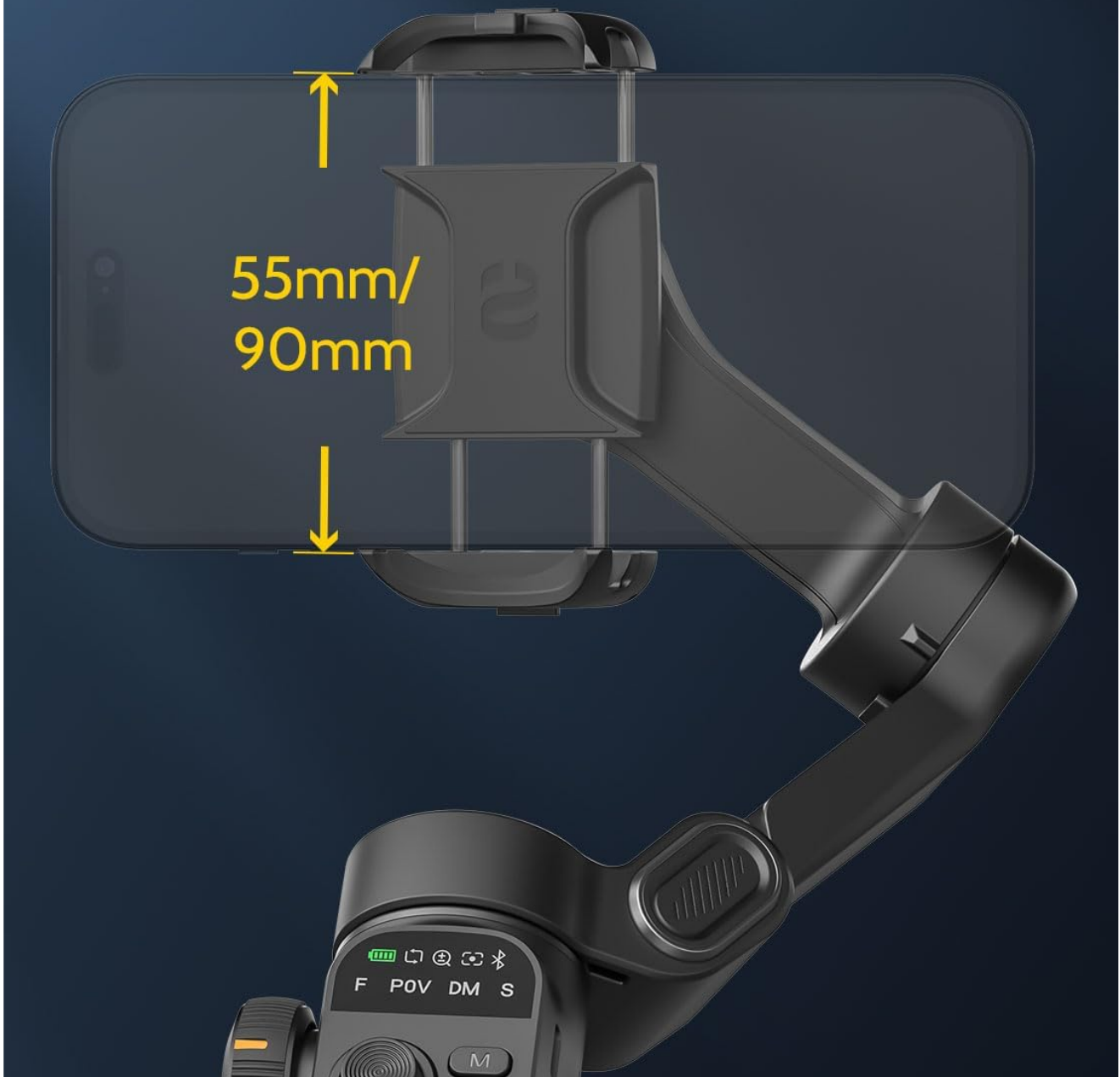


Figure 3.1: Wide adaptability of the phone clip, supporting phones from 55mm to 90mm in width.

3.3 Bluetooth Connection

To connect your smartphone to the gimbal via Bluetooth:

1. Turn on the Smart X2 gimbal.
2. Enable Bluetooth on your smartphone.

3. Search for available devices and select "SMART_X2" to pair.
4. The Bluetooth indicator on the gimbal's OLED screen will light up, confirming a successful connection.

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Video 3.1: Tutorial on how to correctly connect the Smart X2 Bluetooth.

3.4 AOCHUAN App Download

For full functionality and access to advanced features, download the official AOCHUAN App from your smartphone's app store (App Store for iOS, Google Play for Android).

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Video 3.2: Guide on downloading and using the AOCHUAN App.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button to turn the gimbal on or off.

4.2 Shutter Button Functions

- **Single-click:** Takes a photo or starts/stops video recording.
- **Double-click:** Switches between horizontal (landscape) and vertical (portrait) shooting modes.
- **Triple-click:** Switches between front and rear cameras (requires AOCHUAN App).
- **Long-press:** Enables/disables smart tracking (requires AOCHUAN App).

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Video 4.1: Detailed tutorial on Smart X2 button functions.

4.3 Joystick Control

Use the joystick to precisely adjust your phone's shooting direction (up, down, left, right) for smooth camera movements.

4.4 Wheel Combination Key

- **Single-click:** Switches between Zoom and Focus modes.
- **Zoom Mode:** Rotate the wheel clockwise to zoom in, counter-clockwise to zoom out. (Default at power on, requires AOCHUAN App).
- **Focus Mode:** Rotate the wheel to switch between sharp and blurred focus (requires AOCHUAN App).
- **Double-click:** Activates 280° Auto Panorama mode.

Double-click the combination key to take a panoramic shot



Figure 4.1: Illustrates the double-click function of the combination key for panoramic shots.

4.5 Gimbal Modes (via M Button)

The M button allows you to switch between different gimbal modes:

- **F (Full Follow Mode):** The most versatile mode, suitable for daily shooting, overhead shooting, and vertical shooting.

- **POV (Point of View Mode):** Suitable for scenes with camera movement and transitions, handling shooting from multiple angles.
- **DM (Inception Mode):** Triple-click the M button to enter this mode, allowing for 180° rotated video.
- **S (Sport Mode):** Press and hold the M button to enter S mode for fast-motion transition videos.

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Video 4.2: Comprehensive guide on how to use the Smart X2 mobile phone stabilizer, including mode explanations.

4.6 Extension Rod Usage

The built-in 20cm extension rod can be pulled out to achieve higher or wider shooting angles, transforming the gimbal into a selfie stick for various creative shots.

Built-in 20cm extension rod



Figure 4.2: The Smart X2 gimbal demonstrating its built-in 20cm extension rod.

4.7 Smart Tracking and Gesture Control

Through the AOCHUAN App, you can activate facial and object tracking. Use simple hand gestures (e.g., OK gesture, palm gesture, fist gesture, thumbs up) to initiate tracking and hands-free shooting.

Smart Gesture Shooting



OK gesture



Palm gesture



Fist gesture



Thumbs up gesture with both hands



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Figure 4.3: Examples of smart gesture shooting, including OK, palm, fist, and thumbs-up gestures.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Smart X2 Gimbal Stabilizer, follow these maintenance

guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the gimbal. Do not use liquid cleaners or solvents.
- **Storage:** Store the gimbal in a cool, dry place, away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure it is folded compactly.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the gimbal regularly, even if not in use, to maintain battery health.
- **Handle with Care:** Avoid dropping or subjecting the gimbal to strong impacts, as this can damage the internal motors and components.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Gimbal not powering on.	Low battery.	Charge the gimbal fully.
Bluetooth connection fails.	Bluetooth not enabled on phone/gimbal, or interference.	Ensure Bluetooth is on for both devices. Restart both devices. Try pairing again.
Phone not stable/vibrating.	Phone not properly balanced or too heavy.	Ensure phone is centered and securely clamped. Remove heavy phone cases if necessary. Max weight is 330g.
App features not working.	App not connected, outdated app version, or permissions not granted.	Ensure Bluetooth is connected in the app. Update the app to the latest version. Grant all necessary permissions.
Motors making unusual noise.	Obstruction or improper balancing.	Check for any obstructions. Re-balance the phone.

If the problem persists after trying these solutions, please contact AOCHUAN customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	11.3 x 5 x 2.76 inches (28.7 x 12.7 x 7 cm)
Item Weight	12.7 ounces (360 Grams)
Maximum Weight Recommendation	330 Grams
Folded Size	16.5 x 11 x 5.3 cm
Compatible Devices	Cellphone (55mm-90mm width)
Batteries	1 Lithium Ion battery (included)
Manufacturer	AOCHUAN

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AOCHUAN website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

You can visit the AOCHUAN Store on Amazon for more information: [AOCHUAN Official Store](#)