AOCHUAN X2 Light KIT White

AOCHUAN Smart X2 3-Axis Gimbal Stabilizer User Manual

Comprehensive guide for setup, operation, and maintenance of your Smart X2 Gimbal Stabilizer.

1. Introduction

The AOCHUAN Smart X2 3-Axis Gimbal Stabilizer is designed to provide smooth and stable footage for smartphone users. Featuring an adjustable RGB fill light, a built-in extension pole, and an intuitive OLED screen, it enhances your mobile videography and photography experience. This manual provides detailed instructions for optimal use and care of your device.



Figure 1: AOCHUAN Smart X2 Gimbal Stabilizer and included components.

2. What's in the Box

Verify that all items are present in your package:

- Smart X2 gimbal (phone not included)
- 1x USB-C charging cable
- 1x user manual
- 1x fill light
- 1x mini tripod

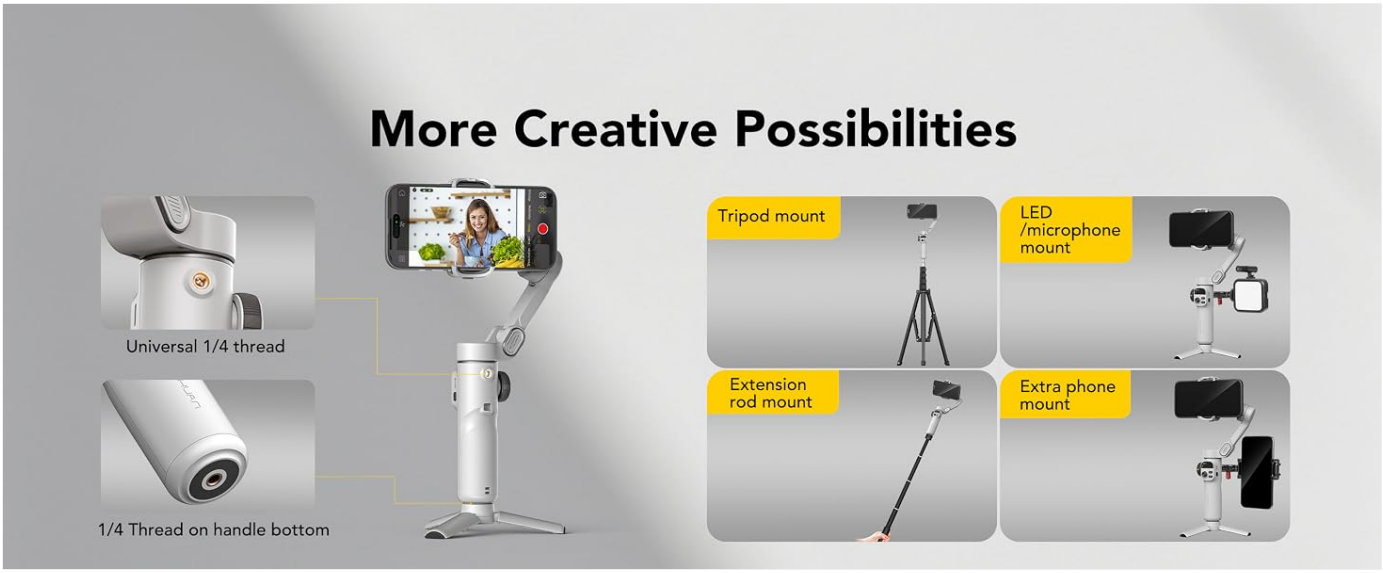


Figure 2: Contents of the Smart X2 Kit package.

3. Product Overview

3.1. Key Features

- **3-Axis Gimbal Stabilization:** Ensures smooth, steady footage by eliminating shake during movement.
- **Adjustable RGB Fill Light:** Offers 7 color temperature settings and 3 brightness levels for optimal lighting in various conditions.
- **Built-in 20cm Extension Pole:** Provides extended reach for wider shots and selfies.
- **Upgraded OLED Display:** Real-time monitoring of gimbal status and settings.
- **Ergonomic Grip:** Designed for comfortable handling during extended use.
- **One-Click Zoom and Focus:** Intuitive controls for precise shot adjustments.
- **Wide Smartphone Compatibility:** Phone clip extends from 55mm to 90mm.

3.2. Components and Controls

Familiarize yourself with the main parts of the Smart X2 gimbal:

- **Phone Clamp:** Securely holds your smartphone. Compatible with phones 55mm-90mm wide.
- **Gimbal Arm:** Houses the 3-axis motors (Pan, Pitch, Roll) for stabilization.
- **Control Panel:** Features an OLED display, joystick, mode button (M), record button, and zoom/focus wheel.
- **Extension Rod:** Extends up to 20cm for versatile shooting angles.
- **Tripod Base:** Foldable base for stable tabletop or ground placement.
- **RGB Fill Light:** Magnetic attachment for adjustable lighting.
- **USB-C Port:** For charging the gimbal.

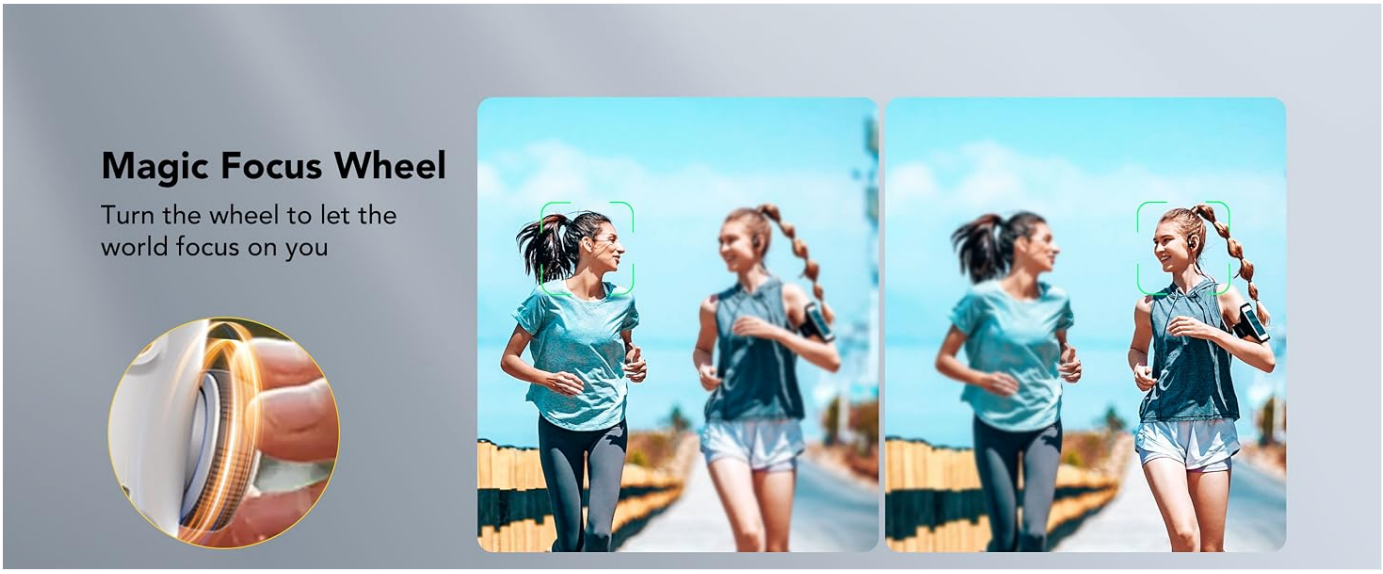


Figure 3: Overview of Smart X2 key features.

4. Setup

4.1. Charging the Gimbal

Before first use, fully charge the Smart X2 gimbal using the provided USB-C cable. Connect the USB-C end to the gimbal's charging port and the USB-A end to a compatible power adapter (not included). The OLED display will indicate charging status.

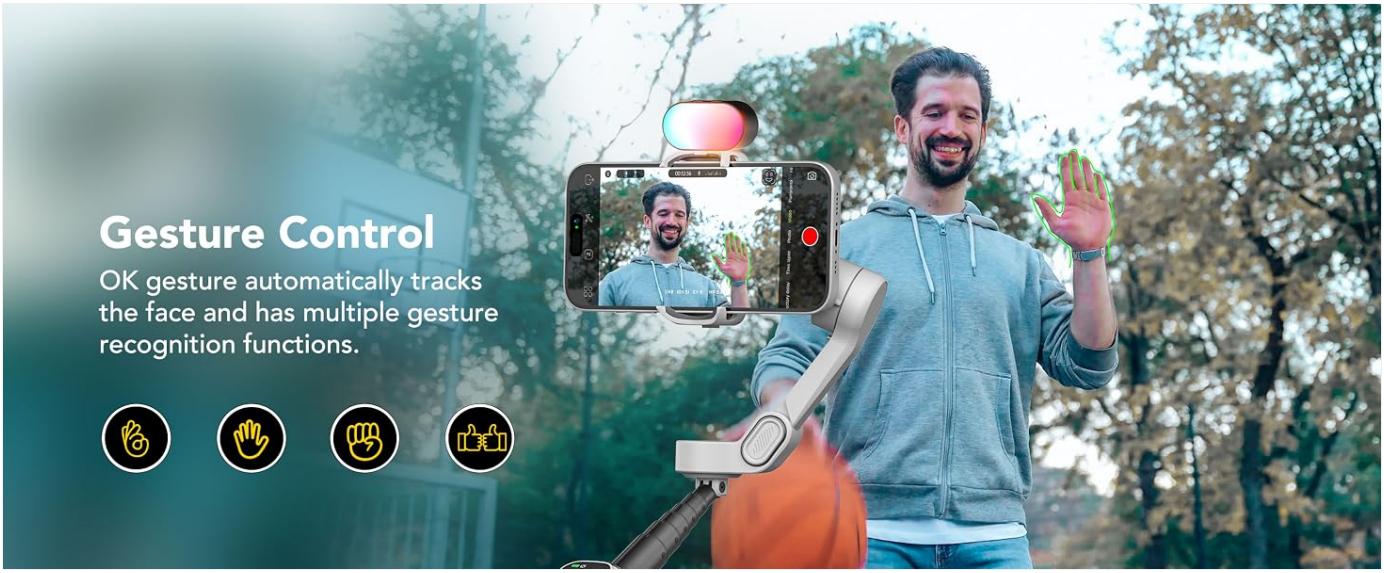


Figure 4: Charging the Smart X2 gimbal.

4.2. Mounting Your Smartphone

1. Unfold the gimbal to its operational position.
2. Extend the phone clamp and carefully insert your smartphone. Ensure the phone is centered and securely held. The phone clamp supports widths between 55mm and 90mm.
3. For optimal balance, ensure your phone is as centered as possible within the clamp.

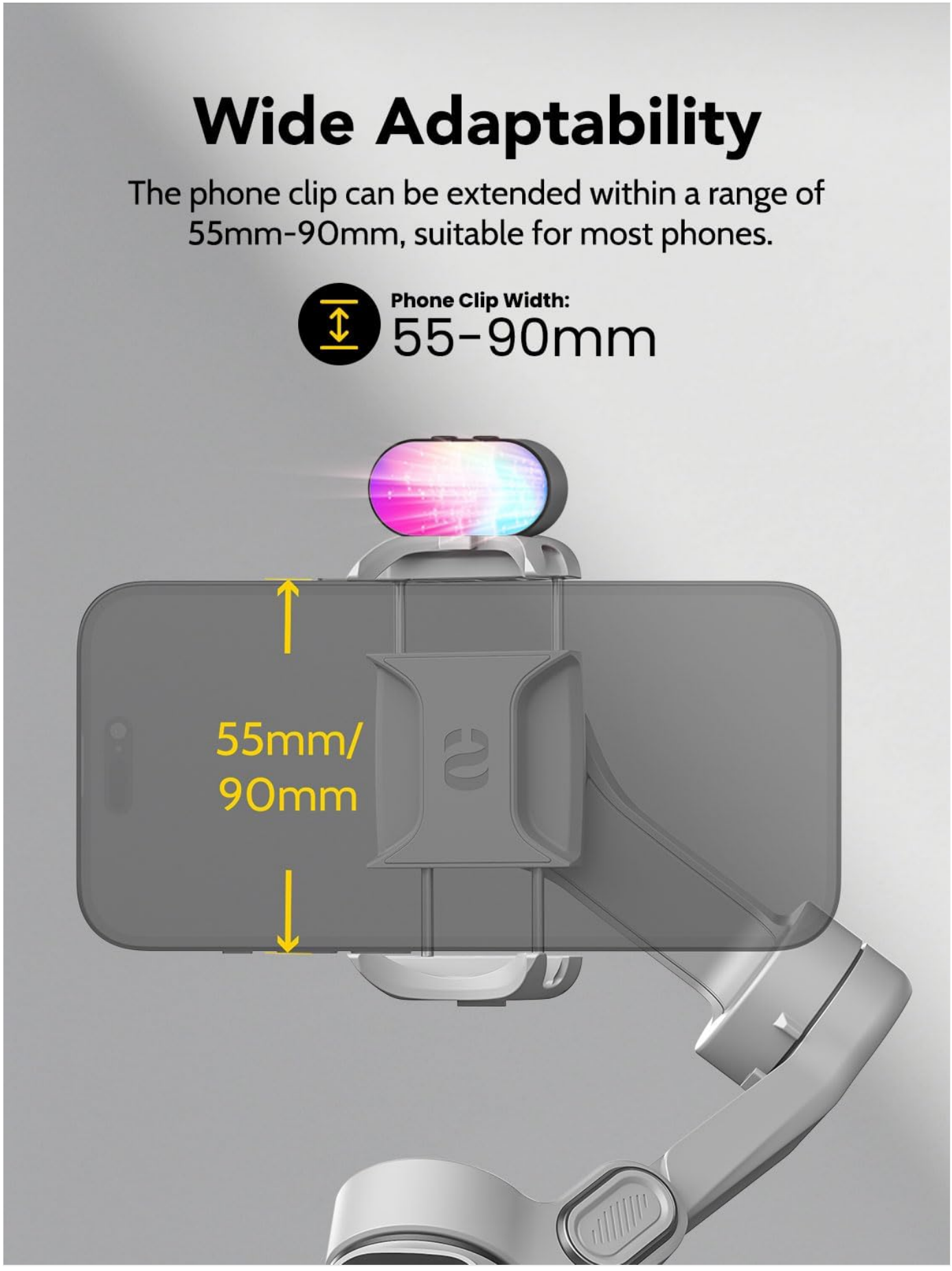


Figure 5: Mounting a smartphone on the gimbal.



Figure 6: The 3-axis stabilization ensures smooth, professional shots.

4.3. Attaching the RGB Fill Light

The RGB fill light attaches magnetically to the top of the phone clamp. Simply place it on the designated area until it snaps into place. It can be rotated 180 degrees for desired lighting direction.



Figure 7: Attaching and adjusting the RGB fill light.

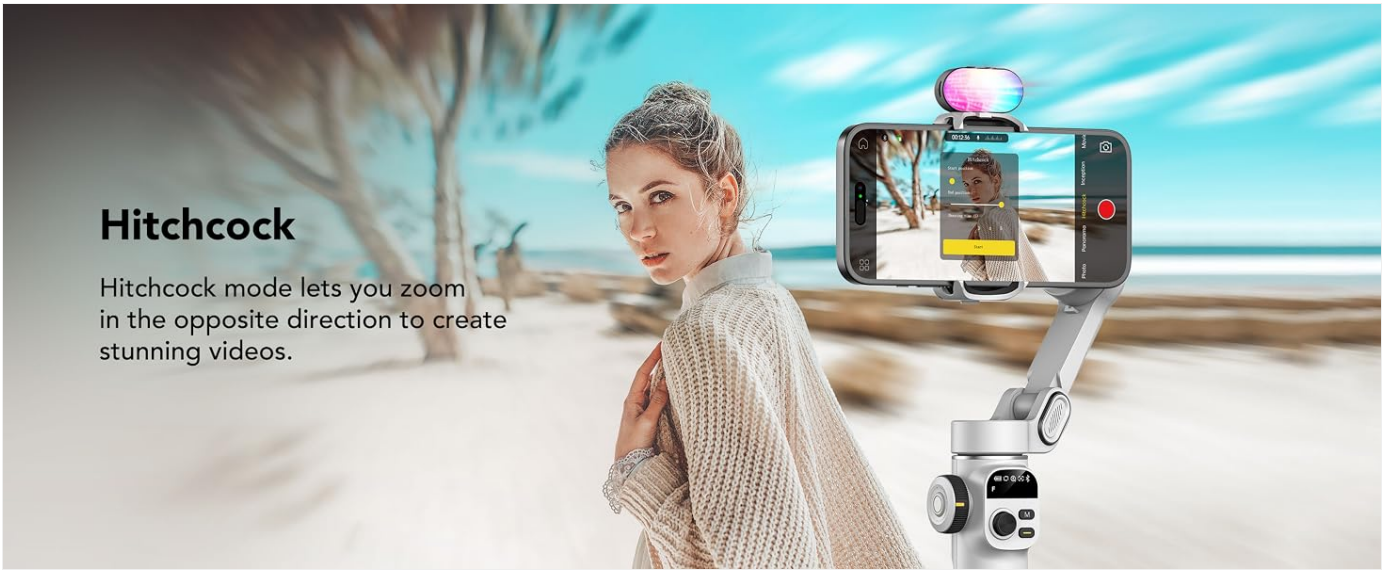


Figure 8: The RGB fill light offers 7 color temperatures.

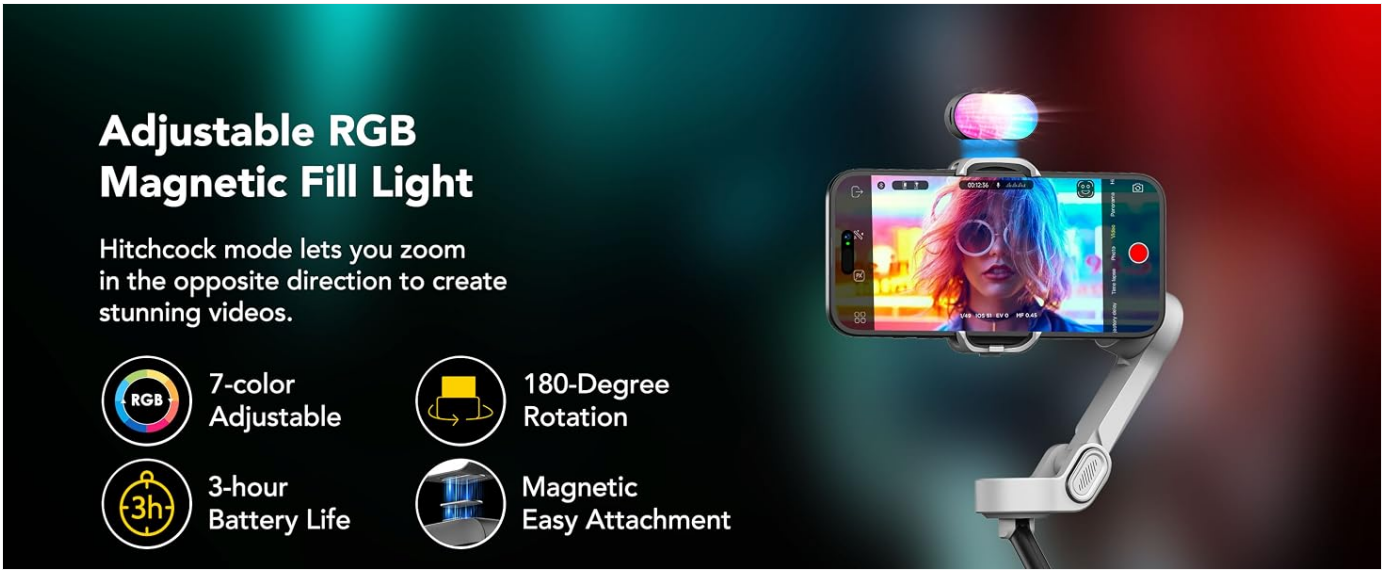


Figure 9: The RGB fill light has 3 adjustable brightness levels.

4.4. Connecting via Bluetooth

To unlock full functionality and app features, connect the gimbal to your smartphone via Bluetooth. Power on the gimbal, then open your phone's Bluetooth settings and select "AOCHUAN Smart X2" from the available devices. Once connected, the Bluetooth icon on the OLED display will illuminate.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the Smart X2's features, including Bluetooth connection and various shooting modes.

5. Operating the Gimbal

5.1. Power On/Off

Press and hold the power button (usually located on the side of the handle) for a few seconds to turn the gimbal on or off. The OLED display will light up upon activation.

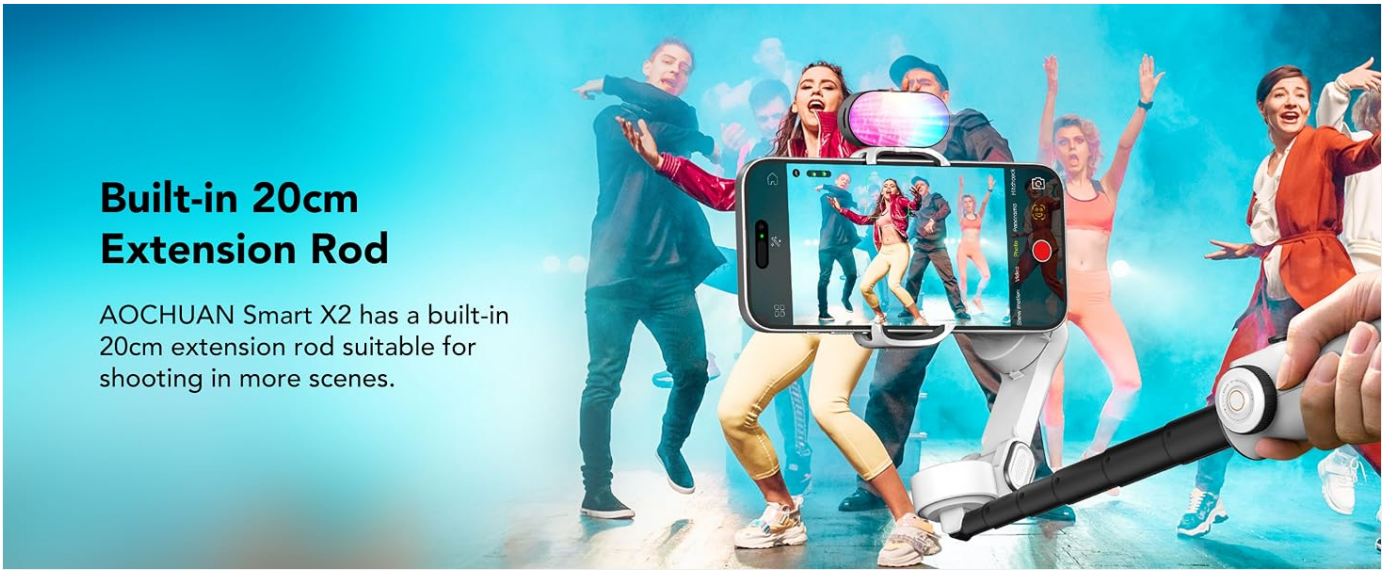


Figure 10: The OLED display provides real-time status information.

5.2. Gimbal Modes

The Smart X2 offers multiple operating modes, selectable via the Mode (M) button on the control panel. The current mode is displayed on the OLED screen:

- **F (Follow Mode):** The pan and tilt axes follow your movements, while the roll axis remains locked. Ideal for smooth tracking shots.
- **S (Sport Mode):** Provides faster response and stronger motor power, suitable for capturing fast-moving subjects or dynamic scenes.
- **POV (Point of View Mode):** All three axes follow your movements, providing a first-person perspective.
- **DM (Dolly Zoom Mode):** Allows for the "Hitchcock effect" by zooming in or out while moving the gimbal.

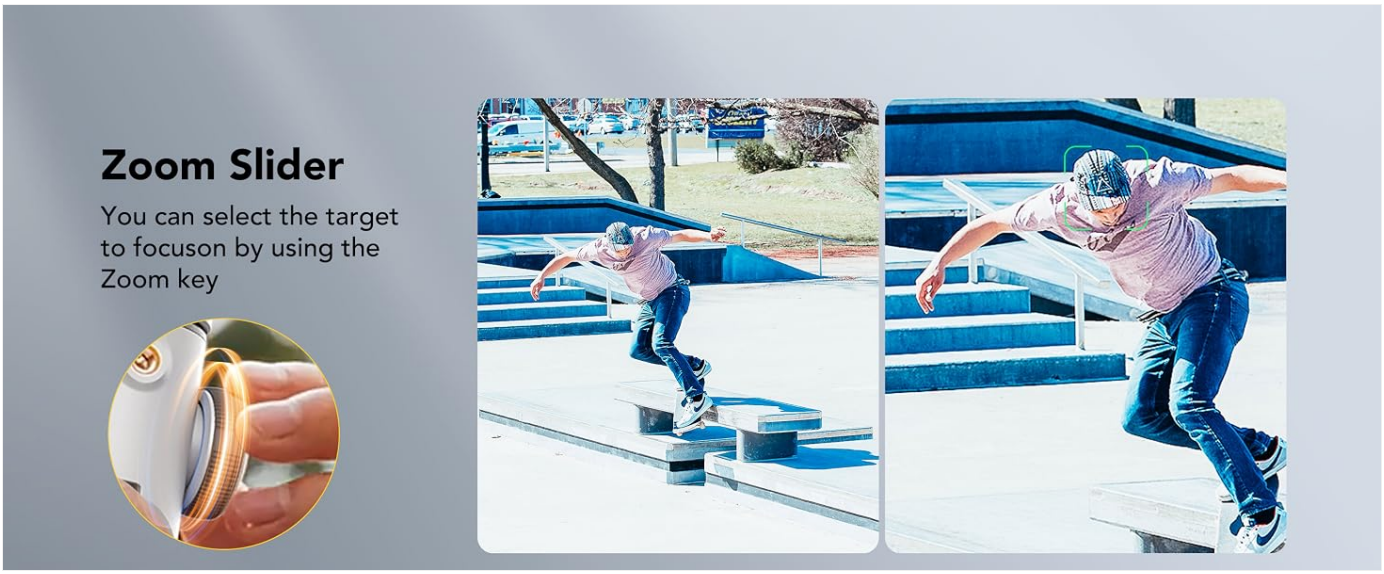


Figure 11: Different gimbal modes for various shooting scenarios.

5.3. Zoom and Focus Control

Use the multi-function wheel on the side of the handle to control zoom and focus within the AOCHUAN app. A single click typically switches between zoom and focus functions.

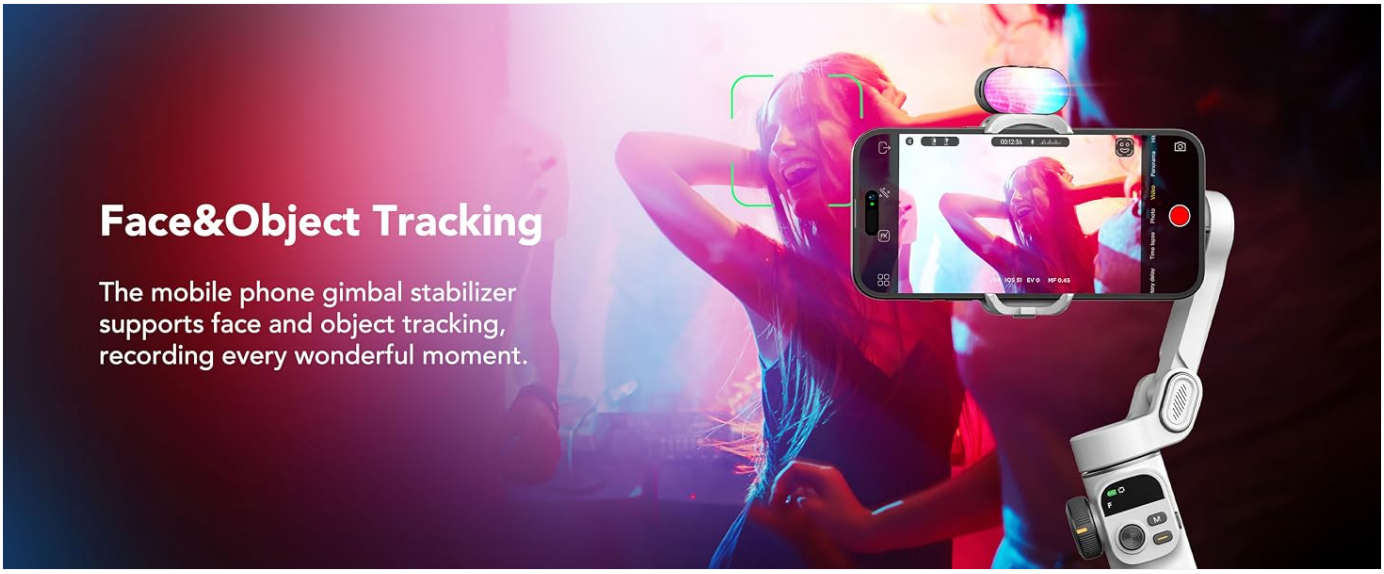


Figure 12: One-touch control for zoom and focus.

5.4. Extension Pole Usage

The built-in 20cm extension pole can be pulled out from the handle to extend your reach for wider shots or group selfies. Ensure it is securely locked in place when extended.



Figure 13: Utilizing the built-in extension pole.

5.5. Advanced App Features

Download the official AOCHUAN app to unlock advanced shooting features:

- **Gesture Control:** Initiate recording or tracking with simple hand gestures.

- **Face & Object Tracking:** The gimbal automatically follows a selected face or object, keeping it in frame.
- **Movie Mode:** Access professional cinematic shooting modes.
- **Hitchcock Mode:** Create dramatic dolly zoom effects.
- **Seamless Panorama:** Double-tap to capture wide panoramic shots.

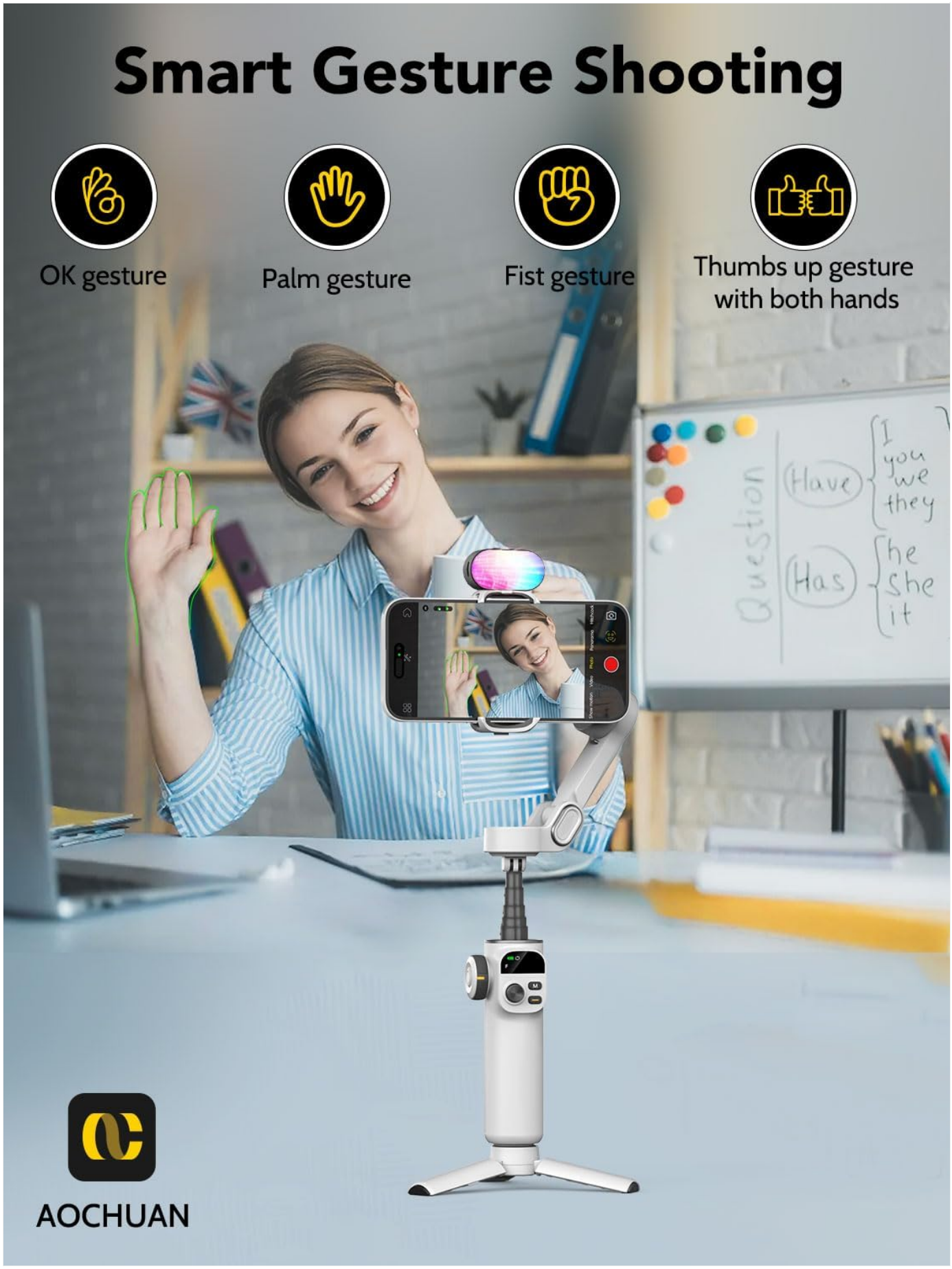


Figure 14: Smart Gesture Shooting for hands-free control.



Figure 15: Capturing seamless panorama shots.

6. Maintenance

- Keep the gimbal clean and free from dust and debris. Use a soft, dry cloth for cleaning.

- Avoid exposing the gimbal to extreme temperatures or direct sunlight for prolonged periods.
- Store the gimbal in its folded position in a protective case when not in use to prevent damage.
- Ensure the phone clamp and gimbal arms are free of obstructions before powering on.

7. Troubleshooting

Problem	Possible Cause	Solution
Gimbal not stabilizing / Shaky footage	Phone not balanced or securely mounted.	Ensure phone is centered and tightly secured in the clamp. Re-balance if necessary.
Cannot connect via Bluetooth	Bluetooth is off on phone; gimbal not in pairing mode; interference.	Ensure phone Bluetooth is on. Restart gimbal and phone. Try pairing in a different location.
App features not working	App not updated; incorrect permissions; Bluetooth not connected.	Update the AOCHUAN app. Grant all necessary permissions. Verify Bluetooth connection.
Gimbal not powering on	Low battery.	Charge the gimbal fully.
Phone with case does not fit	Phone with case exceeds clamp width.	Remove phone case before mounting. The clamp supports 55mm-90mm width.

8. Specifications

Feature	Detail
Product Dimensions	11.73 x 5 x 2.76 inches
Item Weight	12.9 ounces (364.98 Grams)
Maximum Weight Recommendation	330 Grams
Batteries	1 Lithium Ion battery (included)
Color	White
Compatible Devices	Smartphones with width 55mm-90mm (e.g., iPhone 16/15/14/13/12 Pro Max, Samsung Galaxy S21/S21 Ultra/S23 Ultra, Huawei p30 pro/p30/p20 pro/p10/p10 plus)
Manufacturer	AOCHUAN

9. Warranty and Support

The Smart X2 gimbal comes with a user manual included in the package. For any issues or assistance, please refer to the troubleshooting section or contact AOCHUAN customer support. Additional shooting features and support resources are available through the official AOCHUAN app.
For information regarding warranty, please refer to the documentation provided with your purchase or visit the official AOCHUAN website.

© 2025 AOCHUAN. All rights reserved.

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