AOCHUAN Smart P2

AOCHUAN Smart P2 Magnetic Gimbal Stabilizer Instruction Manual

Model: Smart P2

INTRODUCTION

The AOCHUAN Smart P2 is a versatile magnetic gimbal stabilizer designed for smartphones, including iPhones. It features a 2-in-1 fill light and an AI tracking sensor for hands-free operation. With its 3-axis stabilization and built-in extension rod, it enhances video recording for various scenarios. The device offers multiple mounting options and intelligent tracking capabilities without requiring an app for basic face tracking.

1. SETUP AND INITIAL USE

1.1 Unfolding the Gimbal

Upon receiving the device, install the included tripod onto the base of the gimbal. Place the gimbal on a flat surface. Hold the device with both hands and unfold the arm upwards until it forms a "7" shape facing you. Rotate the phone clamp counter-clockwise to unlock it. Ensure the camera logo on the clamp is in the top-left corner.

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Video Description: This video segment demonstrates how to unfold the AOCHUAN Smart P2 gimbal and prepare it for use, including attaching the tripod and unlocking the phone clamp. (Relevant segment: 0:04 - 0:34)
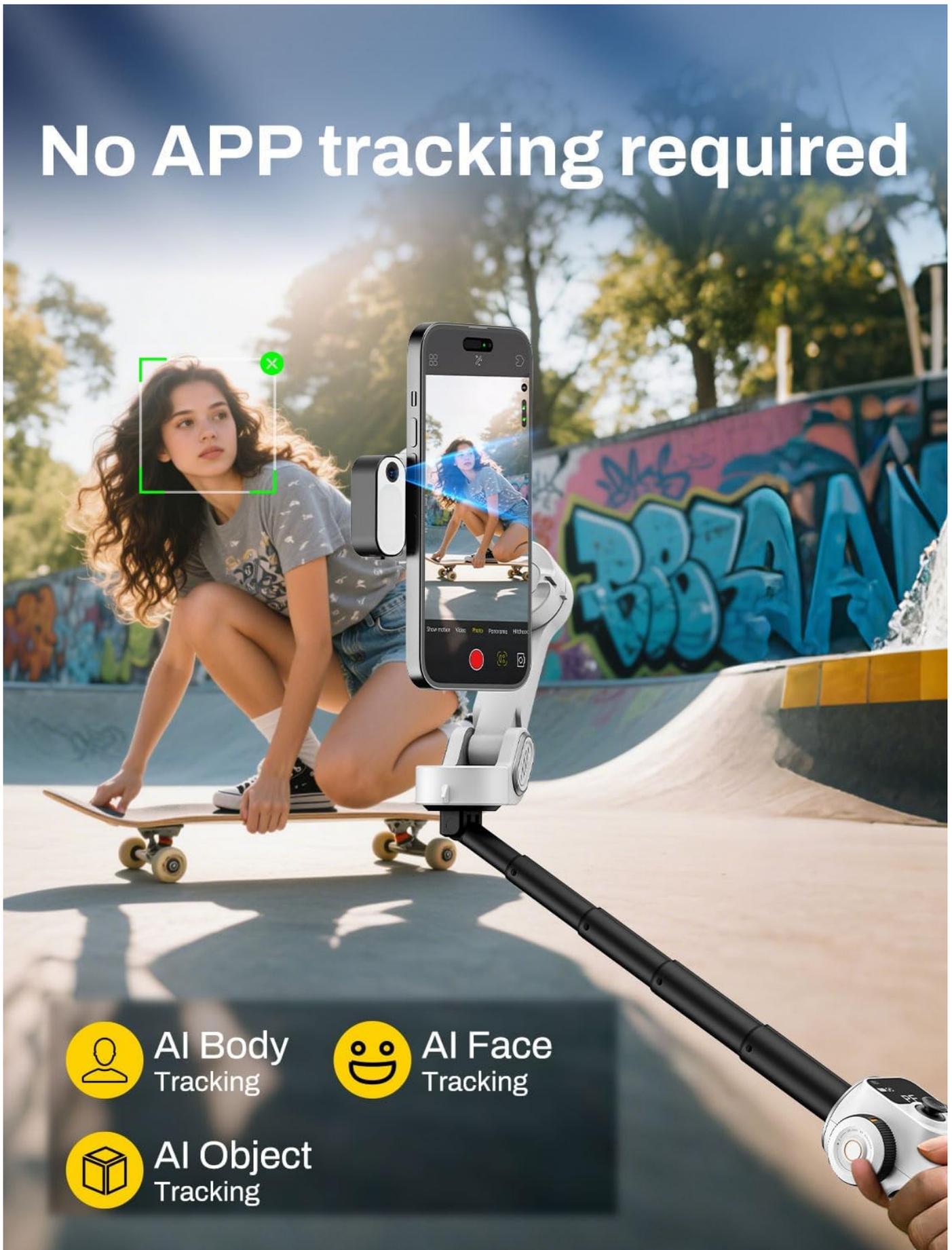
1.2 Phone Mounting Methods

The Smart P2 supports three methods for mounting your smartphone:

1. **Magnetic Mount:** If your phone supports MagSafe, attach it directly to the gimbal's magnetic mount.
2. **Magnetic Ring Mount:** For non-MagSafe phones, use the included magnetic ring kit. Measure your phone's center using the guide card (total width ÷ 2). Clean the back of the phone with the alcohol pad, then apply the magnetic ring to the measured center. After attaching the ring, mount the phone magnetically to the gimbal.
3. **Phone Clamp Mount:** Pull the clamp open and place the phone at the center. Adjust left or right for balance if needed. Ensure the phone back rests flush against the clamp.

Important Safety Note:

- For heavy phones or intense movements, use the magnetic ring or clamp to prevent accidental falls.

- Do not use ring holders or non-standard magnetic mounts/cases. For safety, remove the phone case, apply the official magnetic ring, or use the clamp.

Image Description: A white AOCHUAN Smart P2 gimbal with a smartphone magnetically attached. The phone is held securely in

landscape orientation.

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Video Description: This video segment illustrates the three different phone mounting methods: magnetic, magnetic ring, and phone clamp. It also shows how to correctly position the phone. (Relevant segment: 0:35 - 0:51)

1.3 Powering On and Extension Rod

Long-press the power button to turn on the gimbal. If the phone is tilted after powering on, gently adjust it by rotating it slightly; no need to remount. If you remove the phone while the gimbal is on, it will beep and enter standby. Reattach and double-press the rear trigger to resume. To use the built-in extension rod, pull it out and adjust the angle as needed for wider shots or selfies.

Image Description: A person holding the AOCHUAN Smart P2 gimbal with its built-in extension rod fully extended, capturing a wider scene.

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Video Description: This video segment demonstrates powering on the gimbal, adjusting the phone if tilted, and extending the built-in rod. (Relevant segment: 0:59 - 1:17, 3:05 - 3:12)

1.4 Bluetooth Connection

To connect the gimbal via Bluetooth, enable Bluetooth on your smartphone. Search for "SMART_P2" in the Bluetooth device list and connect. The OLED display on the gimbal will show a Bluetooth icon when successfully connected.

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Video Description: This video segment guides you through connecting the Smart P2 gimbal to your smartphone via Bluetooth. (Relevant segment: 3:13 - 3:26)

2. OPERATING THE GIMBAL

2.1 Button Functions

- **Shutter Button:**

  - Single press: Shoot photo / video.
  - Double press: Switch between landscape and portrait orientation.
  - Triple press: Switch between front and rear camera (within the app).
  - Long press: Enable / disable tracking (within the app).

- **M Button:**

  - Single press: Switch between PF (Pan Follow), F (Common), L (Lock), and POV (Cool) modes.
  - Triple press: Activate DM (Auto-Rotation) mode.

- **Joystick:** Move the joystick to adjust the camera angle (pan and tilt).

- **Trigger Button (Rear):**

  - Long press: Activate Sport mode for faster response.
  - Double press: Re-center the phone.

- **Wheel Button:**

  - Single press: Switch between Zoom and Focus functions.

    - Zoom: Rotate the wheel to zoom in/out (default).
    - Focus: Rotate the wheel to switch between sharp and blurred focus.

  - Double press: Activate 360° Auto Orbit mode.

Image Description: The AOCHUAN Smart P2 gimbal in use, demonstrating AI tracking capabilities with a subject on a skateboard. The image highlights AI Body, AI Face, and AI Object Tracking.

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Video Description: This video segment provides a detailed overview of all button functions on the Smart P2 gimbal, including the Shutter, M Button, Joystick, Trigger, and Wheel Button. (Relevant segment: 3:27 - 5:04)

2.2 Gimbal Modes

The Smart P2 has three motor axes: the Yaw axis (controls left/right direction), the Pitch axis (controls up/down direction), and the Roll axis (controls tilt direction). It offers six distinct modes, which can be checked on the OLED display:

- **PF (Pan Follow Mode):** Pan axis follows your movement, while tilt and roll axes are locked. Suitable for horizontal panning shots.

- **F (Common Mode):** Pan and tilt axes follow your movement, while the roll axis is locked. Ideal for horizontal panning shots, tilt shots, or overhead shots.

- **L (Lock Mode):** All axes are locked, allowing for stable push/pull or tracking shots.

- **POV (Cool Mode):** All axes are unlocked. This mode allows tilting for unique, angled shots, adding more versatility to your shooting angles.

- **DM (Rotation Mode):** Auto 180° rotation shots.

- **S (Sport Mode):** Similar to F mode but with stronger motors for faster, more responsive movements.

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Video Description: This video segment explains the three motor axes of the gimbal and demonstrates each of the six available gimbal modes: PF, F, L, POV, DM, and Sport. (Relevant segment: 5:05 - 6:50)

2.3 APP's Tracking Feature

The Smart P2 supports shooting with the original camera of your mobile phone. For advanced features, it can be used with the AOCHUAN APP. After entering the app and connecting the device via Bluetooth, tap the smiley face icon at the bottom to select from four tracking modes:

- **Face Tracking:** Select Face Tracking mode. When a face appears on the phone screen, the device will automatically start tracking it.

- **Body Tracking:** Select Body Tracking mode. When a human body appears on the phone screen, the device will automatically begin tracking.

  Note:

  - Body tracking is suitable for long-distance tracking.
  - When using this mode, do not stand too close to the phone to avoid interference with recognition, which may cause the device to rotate improperly.

- **Object Tracking:** Select Object Tracking mode, then use your finger to draw a frame around the object you want to track on the phone screen. The device will then automatically track the selected object.

- **Other APP Tracking:** For third-party app tracking, you can choose to use either the front or rear camera. Tap to select the tracking platform (e.g., TikTok, YouTube, Facebook, Instagram). If you want to use the native camera or any other app for tracking, select "Other." Click "Start Live," and this will open the phone's home screen, allowing you to launch any app for intelligent tracking. Once inside, triple-click the stabilizer's shooting button to enable tracking. Triple-click again to disable tracking.
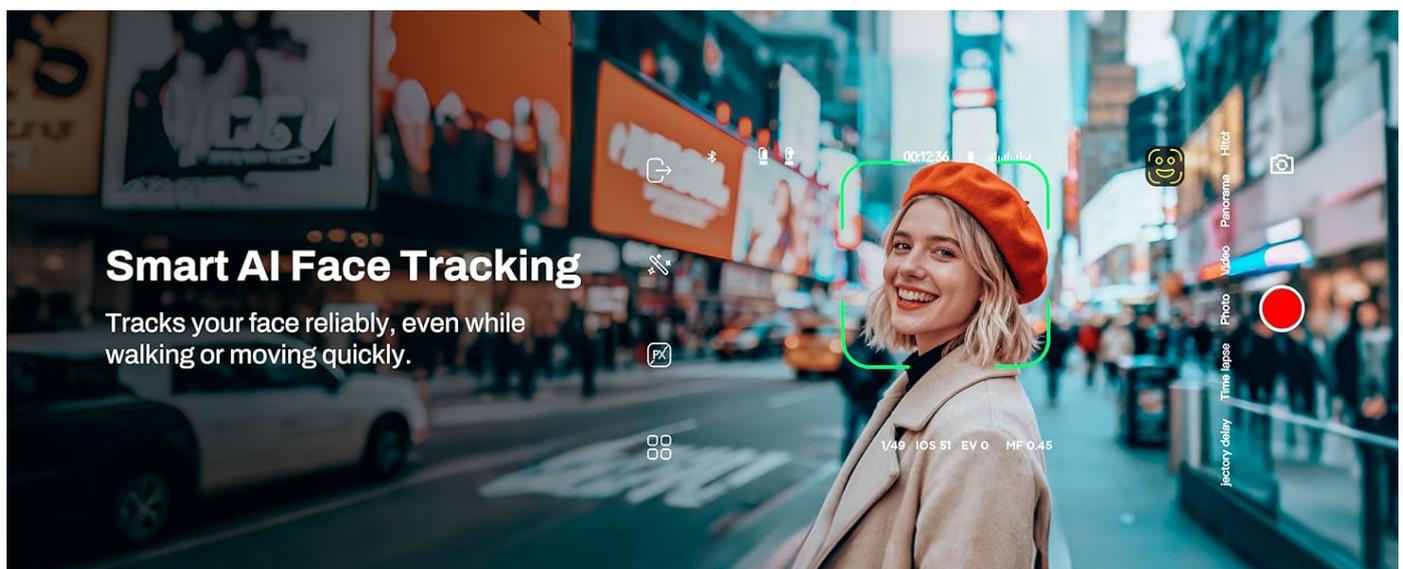

Image Description: The AOCHUAN Smart P2 gimbal tracking a person's face in a busy outdoor environment, demonstrating its AI Face Tracking capability.
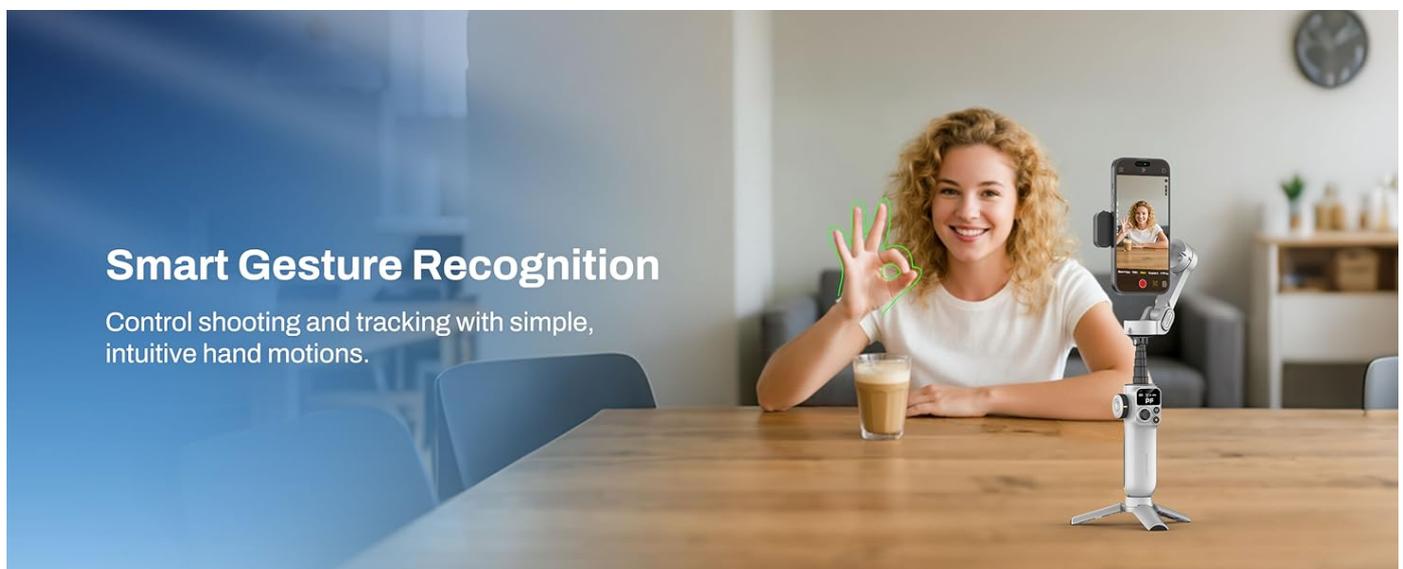
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Video Description: This video segment demonstrates how to use the APP's tracking features, including Face Tracking, Body Tracking,

Object Tracking, and tracking with other third-party applications. (Relevant segment: 8:04 - 9:53)

2.4 APP's Gesture Control Feature

After entering the app and connecting the device via Bluetooth, the gesture function is enabled by default, and its icon appears in yellow. Tap the icon to view all available gesture instructions:

- **OK gesture:** Make an OK gesture towards the camera to enable face tracking. Make the OK gesture again to disable tracking.

- **Palm gesture:** Show an open palm gesture towards the camera to start a 3-second countdown for automatically taking a photo or recording a video. Repeat the gesture to stop shooting.

- **Double thumbs-up gesture:** Show a double thumbs-up gesture towards the camera to switch the phone's orientation between horizontal and vertical modes.

- **Fist gesture:** Make a fist gesture towards the camera to toggle between photo and video modes.

- **Double L gesture:** Make a double "L" gesture towards the camera to pause gesture recognition. While paused, other gesture controls will not function. Make the double "L" gesture again to resume gesture recognition.

Image Description: A person demonstrating a gesture to control the AOCHUAN Smart P2 gimbal, highlighting the Smart Gesture Recognition feature.

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Video Description: This video segment details the various gesture controls available through the APP, including OK gesture for tracking, Palm gesture for countdown, Double Thumbs Up for orientation, Fist for mode switching, and Double L for pausing/resuming gesture recognition. (Relevant segment: 9:54 - 11:03)

3. STORAGE

To store the gimbal, first power off the device and remove your phone. Adjust the gimbal so the arm is rotated to the left and the power button faces yourself. Lock the phone clamp by turning it clockwise. Fold the tilt arm down so the tilt axis notch clicks into the pan axis notch. This compacts the gimbal for easy storage.

Image Description: The AOCHUAN Smart P2 gimbal shown in its compact, folded state, ready for storage or transport.

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Video Description: This video segment demonstrates the correct procedure for powering off the gimbal, removing the phone, and folding the gimbal into its compact storage position. (Relevant segment: 6:51 - 7:32)

4. MAINTENANCE

To ensure the longevity and optimal performance of your AOCHUAN Smart P2 gimbal, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the gimbal. Avoid using harsh chemicals or abrasive materials that could damage the surface.

- **Storage:** Store the gimbal in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided storage bag to protect it from dust and scratches.

- **Battery Care:** For optimal battery life, charge the gimbal regularly, even if not in frequent use. Avoid fully discharging the battery for extended periods.

- **Avoid Impact:** Handle the gimbal with care to prevent drops or impacts, which can damage the internal components and stabilization system.

5. TROUBLESHOOTING

If you encounter issues with your AOCHUAN Smart P2, try the following steps:

- **Gimbal Not Powering On:** Ensure the battery is sufficiently charged. Connect the gimbal to a power source using the USB-C charging cable and try again.

- **Phone Not Stabilizing:**

  - Ensure the phone is correctly mounted and balanced in the clamp or magnetic mount.
  - If the phone is tilted after powering on, gently adjust its position.
  - Check that the gimbal arms are fully unfolded and locked into position.

- **Bluetooth Connection Issues:**

  - Ensure Bluetooth is enabled on your phone and the gimbal is powered on.
  - Forget the device in your phone's Bluetooth settings and try pairing again.
  - Restart both your phone and the gimbal.

- **App Tracking Problems:**

  - Ensure the AOCHUAN APP is updated to the latest version.
  - Verify that the gimbal is correctly connected to the app via Bluetooth.
  - For body tracking, maintain an appropriate distance from the phone to avoid interference.

- **Unresponsive Buttons:** Ensure the gimbal is powered on and connected. If a button is unresponsive, try restarting the device.

If problems persist, please contact AOCHUAN customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	AOCHUAN
Model	Smart P2
Color	Black

Item Weight	1.68 pounds
Package Dimensions	7.2 x 6.73 x 4.02 inches
Batteries	2 Lithium Ion batteries required (included)
Compatible Devices	Cellphone, iPhone
Folded Size	7.87 inches (L) x 1.57 inches (W) x 1.57 inches (H)
Features	Magnetic Mount, 2-in-1 Fill Light & AI Tracking Sensor, Face Tracking (No App Required), 3-Axis Stabilization, Built-in Extension Rod, 360° Pan, OLED Screen, Foldable Design

7. WARRANTY AND SUPPORT

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