**AOCHUAN M2PRO Black**

# AOCHUAN M2PRO Gimbal Stabilizer User Manual

Model: M2PRO Black

## 1. Introduction

Thank you for choosing the AOCHUAN M2PRO Gimbal Stabilizer. This versatile 4-in-1 device combines a smartphone stabilizer, selfie stick, and phone tripod, designed to enhance your mobile photography and videography experience. With its 2-axis stabilization, built-in AI face tracking, wireless remote, and RGB fill light, the M2PRO provides stable, high-quality footage for vlogging, live streaming, and everyday use. Please read this manual carefully to ensure proper operation and maximize the potential of your new device.

## 2. What's in the Box

- AOCHUAN SMART M2pro Gimbal
- RGB Full light
- USB-C Charging Cable x1
- Tripod x1
- User Manual

## 3. Product Overview

The AOCHUAN M2PRO is engineered for convenience and performance:

- **4-in-1 Multifunctionality:** Seamlessly switch between gimbal stabilizer, selfie stick, and phone tripod modes.
- **2-Axis Stabilization:** Equipped with powerful anti-shake and automatic balancing technology for smooth, stable footage.
- **App-Free AI Tracking:** Features an integrated AI recognition camera for portrait tracking via gestures, eliminating

the need for external apps.

- **Wireless Remote Control:** Control shooting modes and shutter from up to 32 feet away, perfect for group photos and remote operation.
- **RGB Fill Light:** Enhance your lighting with 7 color temperature and brightness options, ensuring optimal illumination in any environment.
- **Portable Design:** Lightweight (0.87 lbs) and foldable (12 inches), making it easy to carry for travel and daily use.




Figure 3.1: The 4-in-1 design of the AOCHUAN M2PRO, illustrating its use as a gimbal, selfie stick, face tracking tripod, and floor tripod.

# 4. Setup Guide

## 4.1 Unfolding the Gimbal

1. Hold the gimbal with both hands.
2. Unfold the device completely, ensuring the axis arm is pressed against the handle.
3. Extend the built-in extension rod by stretching it upward.
4. Open the tripod legs at the base for stable placement on a flat surface.




Figure 4.1: Step-by-step guide to unfolding the M2PRO, ensuring the arm is fully extended and the tripod legs are stable.

## 4.2 Inserting Your Smartphone

1. Rotate the phone clip to ensure the AI camera is facing forward.
2. Open the phone clamp and securely insert your smartphone (compatible with 4.0-6.2 inch devices).
3. Ensure the phone is centered and balanced within the clamp.

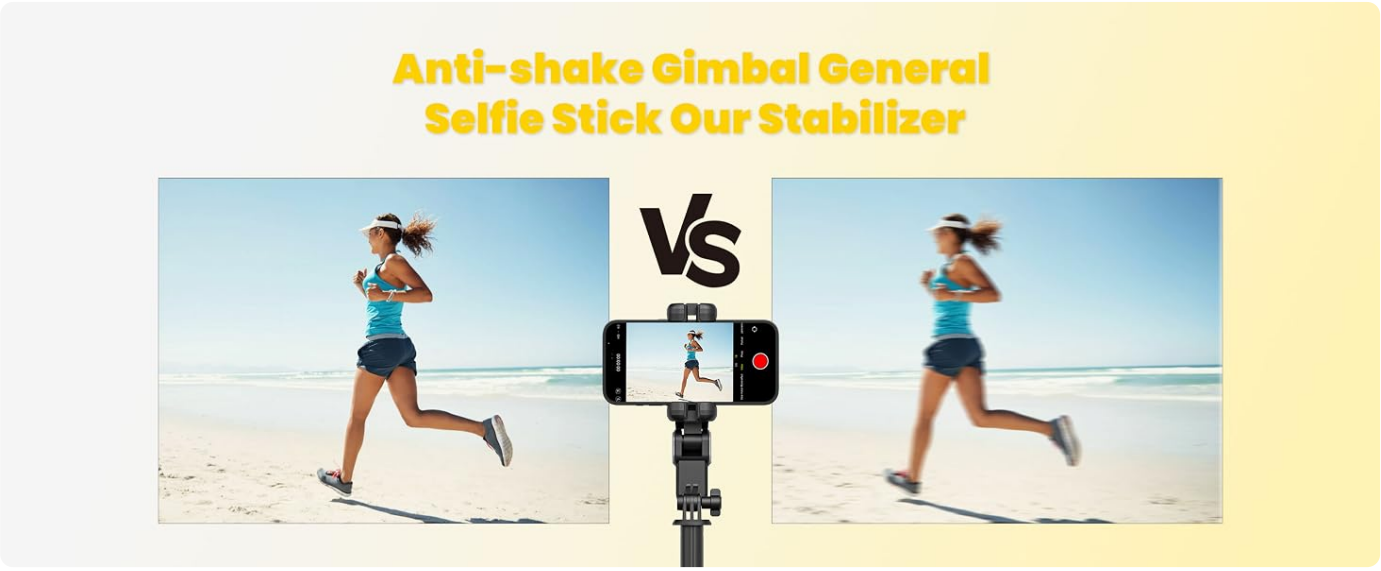



Figure 4.2: Instructions for correctly inserting your smartphone into the gimbal's phone clamp, aligning the AI camera.

## 4.3 Powering On

- Long press the power button on the gimbal to turn it on. The indicator light will illuminate.

## 5. Operating Modes

### 5.1 AI Follow-up Mode (App-Free Tracking)

The M2PRO features an integrated AI recognition camera that allows for intelligent face and body tracking without the need for a dedicated app.

1. Ensure the gimbal is powered on and the indicator light is blue (standby mode).
2. To activate tracking, make an **OK gesture** ( ) in front of the AI camera. The indicator light will turn green, signifying active tracking.
3. To pause tracking, show an **open palm gesture** ( ) to the AI camera. The indicator light will turn blue.
4. To toggle gesture control on/off while tracking, use the **double L gesture**.




Figure 5.1: Visual guide for AI face tracking using hand gestures.

Video 5.1: Demonstration of AOCHUAN M2Pro AI Tracking 2-axis Gimbal Stabilizer features, including app-free face tracking.

Video 5.2: Detailed explanation of the M2Pro AI following mode operation and gesture controls.

### 5.2 Handheld Camera Mode

For stable handheld shooting, the gimbal's 2-axis stabilization minimizes shakes and jitters, ensuring smooth video capture.

### 5.3 POV Mode

Capture immersive point-of-view footage with the gimbal's stable movements.

### 5.4 Inception Mode (360° Automatic Rotation)

Achieve dynamic, cinematic shots with the 360° unlimited rotation feature. This mode allows for creative and unique video effects.

Video 5.3: Overview of the AOCHUAN M2Pro Multi-function Gimbal Stabilizer, showcasing its various modes and capabilities.

## 6. Wireless Remote Control

The M2PRO comes with a detachable wireless remote for convenient control of your device.

### 6.1 Pairing the Remote

1. Ensure the remote is charged.
2. Turn on Bluetooth on your smartphone.
3. On the remote, long press the power button until the indicator light flashes.
4. Select "Gimbal" or a similar name from your phone's Bluetooth device list to pair. The remote's indicator light will turn off once paired.

### 6.2 Remote Functions

- **Shutter Button:** Press to take photos or start/stop video recording.
- **Mode Switching:** Use dedicated buttons on the remote to switch between different shooting modes (e.g., horizontal/vertical, inception).
- **Rotation Control:** Use the directional buttons to manually adjust the gimbal's rotation.




Figure 6.1: The wireless remote control for the AOCHUAN M2PRO, showing its buttons and compact design.

## 7. RGB Fill Light

The M2PRO includes a magnetic RGB fill light to illuminate your subjects.

### 7.1 Attaching the Fill Light

- The fill light attaches magnetically to the top or bottom of the phone holder.

### 7.2 Operating the Fill Light

1. **Power On/Off:** Long press the power button on the light.
2. **Change Colors:** Short press the power button to cycle through 7 different color temperatures.
3. **Adjust Brightness:** Use the 'M' button to adjust the brightness (0-100%) of the selected color.




Figure 7.1: The RGB fill light with its various color and brightness settings, demonstrating its magnetic attachment.

## 8. Portability

The AOCHUAN M2PRO is designed for maximum portability, weighing only 0.87 pounds and folding down to a compact 12 inches. This makes it easy to carry in a bag or pocket, ensuring you're always ready to capture stable content on the go.




Figure 8.1: The compact folded size and extended length of the AOCHUAN M2PRO, highlighting its portability.

## 9. Specifications

| Feature | Detail |
|---|---|
| Model Number | AC M2PRO BLACK |
| Dimensions (Package) | 12.99 x 5.28 x 2.4 inches |
| Item Weight | 13.9 ounces (394 Grams) |
| Folded Size | 12 inches |
| Extended Length | Up to 43 inches (108CM) |
| Compatible Devices | Smartphones (4.0-6.2 inches) |
| Maximum Weight Recommendation | 8.8 ounces |
| Battery Type | 1 Lithium Ion battery (included) |
| Battery Life (Standby) | 4-7 hours |

## 10. Troubleshooting

### 10.1 Gimbal Not Stabilizing Properly

- Ensure your smartphone is properly balanced and centered in the phone clamp.
- Check that the gimbal's axis arm is fully extended and locked into place.
- Verify the battery level; a low battery can affect stabilization performance.

### 10.2 AI Tracking Issues

- Ensure adequate lighting in your environment for the AI camera to detect gestures and faces.
- Make sure your hand gestures are clear and performed directly in front of the AI camera.
- Confirm the AI tracking indicator light is green when attempting to track.

### 10.3 Remote Control Connectivity Problems

- Ensure the remote control is charged.
- Verify Bluetooth is enabled on your smartphone.
- Try unpairing and re-pairing the remote control with your smartphone.
- Ensure the remote is within the 32-foot operating range.

## 11. Maintenance

- Clean the gimbal and fill light with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- When not in use for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.

## 12. Warranty and Support

AOCHUAN products are manufactured to the highest quality standards. For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official AOCHUAN website.

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**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.

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