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## ZHIYUN CMF-06

# Zhiyun CMF-06 TransMount Servo Follow Focus/Zoom Controller Instruction Manual

## 1. INTRODUCTION

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The Zhiyun CMF-06 TransMount Servo Follow Focus/Zoom Controller is designed to provide precise focus and zoom control for compatible Zhiyun gimbal stabilizers. This compact and lightweight unit enhances camera operation by allowing remote adjustment of lens focus and zoom functions.

The controller features an upgraded motor structure for low latency and optimized gears for stable operation.

## 2. PACKAGE CONTENTS

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- CMF-06 TransMount Focus/Zoom Control Motor x 1
- Mounting accessories (gears, cables, rod)



Figure 2.1: Included components of the Zhiyun CMF-06 TransMount Servo Follow Focus/Zoom Controller.

### 3. SETUP AND INSTALLATION

1. **Attach the Motor:** Securely attach the CMF-06 motor to your compatible Zhiyun gimbal stabilizer using the provided mounting accessories. Ensure the motor is positioned correctly to align with your lens's focus or zoom ring.
2. **Install Gear Ring:** Wrap the appropriate gear ring (short or long, depending on your lens) around the focus or zoom ring of your camera lens. Ensure it is securely fastened and engages with the motor's gear.
3. **Connect Cables:** Connect the CMF-06 motor to your gimbal using the provided USB-C cable.
4. **Power On and Calibrate:** Power on your gimbal. The motor will typically perform an automatic calibration. If manual calibration is needed, refer to your gimbal's specific instructions or the CMF-06 manual for details on pressing the 'CAL' button.



Figure 3.1: The CMF-06 motor installed on a gimbal, ready for operation.



Figure 3.2: Detailed view of the CMF-06 motor's connection to the lens gear and gimbal.

## 4. OPERATING INSTRUCTIONS

The CMF-06 TransMount Servo Follow Focus/Zoom Controller allows for precise and responsive control over your lens's focus and zoom functions.

- **Focus and Zoom Control:** The unit is equipped with a function-switch lever, enabling instant switching between focus and zoom control. This allows for dynamic adjustments during filming.
- **Low Latency Control:** An upgraded motor structure provides a low latency of 100 milliseconds, ensuring that adjustments made via the gimbal's control wheel are synchronized with the lens movement.
- **Enhanced Stability:** The motor gears are designed with increased thickness and contact area, contributing to secure installation and steady focusing.

# Focus & Zoom Control Comes All at Once

TransMount Focus/Zoom Control Motor 2.0 is equipped with an all-new function-switch lever, allowing instant switch between focus and zoom control at one step.



Figure 4.1: Control interface of the CMF-06, highlighting the focus/zoom switch.

# Ultra-Low latency. Precise Control

Employing an upgraded motor structure, TransMount Focus/Zoom Control Motor 2.0 keeps an ultra-low latency of 100 milliseconds and can be synchronously controlled via the stabilizer's wheel, allowing precise focus control with total ease.



Figure 4.2: The CMF-06 in action, providing precise control via the gimbal's wheel.

## 5. COMPATIBILITY

The CMF-06 TransMount Servo Follow Focus/Zoom Controller is compatible with the following Zhiyun gimbal stabilizers:

- Zhiyun WEEBILL S
- Zhiyun Crane 3
- Zhiyun Crane 3S
- Zhiyun Crane 2S

# Broad Compatibility

TransMount Focus/Zoom Control Motor 2.0 brings excellent versatility and compatibility to all ZHIYUN stabilizers with outstanding performance



CRANE 2S



CRANE 3S



WEEBILL-S



CRANE 3 LAB

Figure 5.1: The CMF-06 is compatible with a range of Zhiyun stabilizers.

## 6. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.9 x 3.9 x 3.9 inches
Item Weight	12.6 ounces
Item Model Number	zhi yun cmf 06
Manufacturer	zhi yun
First Available Date	July 19, 2018

## 7. TROUBLESHOOTING

If you encounter issues with your CMF-06 controller, consider the following:

- **Calibration Issues:** Ensure the motor is properly mounted and the gear ring is correctly engaged with the lens. Re-calibrate the motor if necessary.
- **Connection Problems:** Verify that the USB-C cable is securely connected to both the motor and the gimbal. Check for any damage to the cable.
- **Gimbal Firmware:** Ensure your Zhiyun gimbal's firmware is up to date, as this can affect accessory compatibility and performance.
- **Lens Compatibility:** While the CMF-06 is broadly compatible, ensure your specific lens's focus/zoom rings are suitable for external motor control.

## 8. MAINTENANCE

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To ensure the longevity and optimal performance of your CMF-06 controller:

- **Cleaning:** Regularly clean the motor and gear rings with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals.
- **Storage:** Store the unit in a dry, cool place away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping or subjecting the unit to strong impacts, as this can damage internal components.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please refer to the official Zhiyun website or contact their customer service directly. Keep your proof of purchase for warranty claims.