



ZHIYUN-v1.10

TransMount Focus/Zoom Control Motor 2.0

· EN-User Guide

Packing list

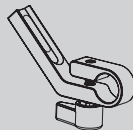
The product package comes with the following items. If there are any missing items, please contact ZHIYUN or your local distributor.



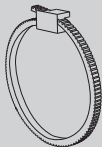
TransMount Focus/Zoom
Control Motor 2.0 x1



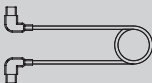
Round Rod x1



Support bracket x1



Gear ring x2

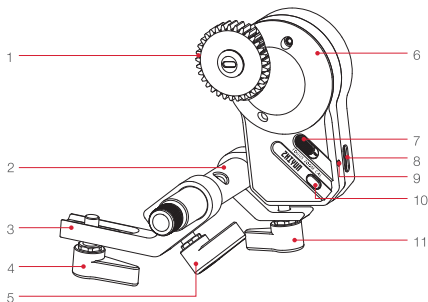


Control cable x1



Locking screw x1

Getting to Know TransMount Focus/Zoom Control Motor 2.0 (hereinafter referred to as the “TransMount Follow Focus Motor”)



1. Control Gear
2. Round Rod
3. Support bracket
4. Locking Screw for bracket
5. Rod locking screw
6. Motor
7. FOCUS & ZOOM selection button
8. Data port
9. Indicator light
10. CAL button
11. Locking Screw for motor

Round Rod:

Stud: M10*1, right-handed
Screw hole: M10*1, right-handed
Diameter: 12mm
Total length: 90mm

Locking screw specifications:

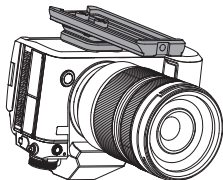
Support bracket, Locking Screw for motor: M4*12
Round Rod locking screws: M4*15



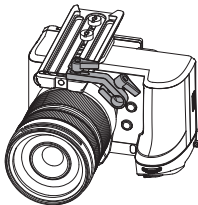
The two types of screws have different lengths, do not mix them up.

Installation

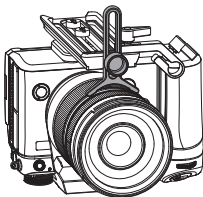
1. We will use the CRANE 2S as an example for installation.
Install the camera backing base and the quick release plate on the bottom of the camera and lock them in with the locking screw.



2. Install the support bracket on the bottom of the quick release plate and lock with the locking screw. You can choose to use the left or right side depending on the situation.



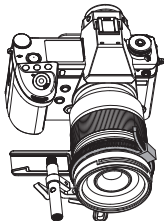
3. Install the lens support bracket to ensure lens stability.



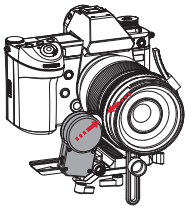
4. Install the round rod onto the support bracket.



5. Install the gear ring. Loosen the gear ring and fit it over the camera's focusing ring (zoom ring) in a suitable position, then pull to tighten the gear ring onto the focusing ring (zoom ring).

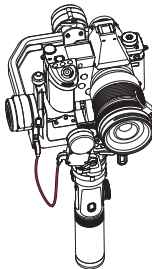


6. Install the TransMount Follow Focus Motor onto the round rod and adjust the position to ensure the gear of the TransMount Follow Focus Motor is close to the gear ring on the lens. Then, tighten the locking screw for motor.



- ① The gear ring must be tightly fixed to the camera focusing ring (zoom ring) to ensure that the camera's focusing ring (zoom ring) also rotates when turning the gear ring.
- ② Rotate the gear ring manually to adjust the tail of the gear ring and the start and end positions of the camera lens' focus position, so as to prevent the tail of the f gear ring from interfering during operation.

7. Install the TransMount Follow Focus Motor and the camera onto the CRANE 2S. Then, connect the control cable to perform leveling.



Usage

Indicator lights description:

Rapid flash: updating

On: operating

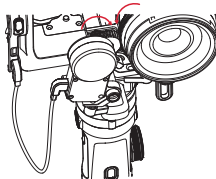
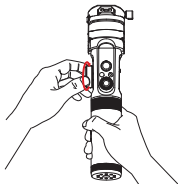
Single flash: calibrating

Double flash: uncalibrated/calibration error

Triple flash: error communicating with gimbal

Under default conditions, as long as the TransMount Follow Focus Motor is connected to the CRANE 2S properly in accordance with the steps in this manual, the TransMount Follow Focus Motor will enter its operational state automatically when the CRANE 2S is turned on. Go to "**Wheel Settings**" > "**Wheel Functions**" in the CRANE 2S menu and select the corresponding control function according to the FOCUS & ZOOM button selection on the TransMount Follow Focus Motor. When "FOCUS" is selected from the FOCUS & ZOOM selection button, choose "**Lite/Focus**" from the menu; when "ZOOM" is selected from the FOCUS & ZOOM selection, choose "**Max/Zoom**" from the menu.

After setup, rotate the follow focus wheel on the CRANE 2S and the gears on the TransMount Follow Focus Motor will rotate on command.



Descriptions of Buttons:

FOCUS & ZOOM selection button: when selecting the FOCUS, we recommend installing the TransMount Follow Focus Motor on the focusing ring of the lens; when using ZOOM, we recommend installing the TransMount Follow Focus Motor on zoom lens.

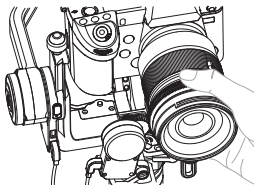
CAL button: used for calibration.

Motor Torque		
Camera Settings		
Parameter Settings		
TransMount Follow Focus Motor Settings		
Wheel Settings	Wheel Functions	lite/focus
		max/zoom
		Electronic follow focus
	Priority	Disable wheel
		External control
		Handle control
	Reverse	Disable
		Enable

Calibration:

Method 1: auto calibration is suitable for lenses with mechanical limits.

Steps: press and hold the CAL button until the control gear starts to rotate, then release the button. As the TransMount Follow Focus Motor enters auto calibration mode, the indicator light will flash once; auto calibration is complete when you hear a "beep" sound. The indicator light will now stay on. You can press the CAL button twice during auto calibration to cancel calibration.



Method 2

Method 2: manual calibration is suitable for lenses with no mechanical limits.

Steps: press the CAL button twice and the TransMount Follow Focus Motor will enter manual calibration mode. The indicator light will blink once. Move the gear ring manually to the starting position, then rotate it manually to the end position. Press the CAL button again and the manual calibration is complete when you hear a "beep" sound. The indicator light will now stay on. You can press the CAL button twice during manual calibration to cancel calibration.



- ① After completing the calibration, when the CRANE 2S restarts (without changing gear ring and control gear, the TransMount Follow Focus Motor will remember the last calibration for your convenience.
- ② It is recommended to calibrate before using the gimbal to set the AB point function.

Delete Calibration Settings:

Method 1: when the TransMount Follow Focus Motor has been calibrated using auto or manual calibration and the indicator light is on, you can press the CAL button three times to delete the current calibration settings.

Method 2: while the CRANE 2S is switched off, rotate the control gear slightly to delete the current calibration settings.

Method 3: push the FOCUS & ZOOM buttons to delete the current calibration settings.

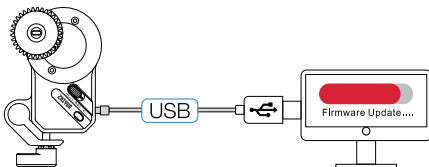
Unexpected Stalling Protection:

When the gear stalls unexpectedly, the motor will automatically set the current stalled rotation position as the mechanical limit. If the lens has mechanical limits, we strongly suggest recalibrating the motor before using again.

Upgrading the TransMount Follow Focus Motor Firmware

Press the CAL button and use the USB Type-C data cable (comes with the CRANE 2S) to connect the data port on the TransMount Follow Focus Moto to the computer, then release the CAL button. The TransMount Follow Focus Motor will then enter upgrading mode.

1. Visit the official ZHIYUN website: www.zhiyun-tech.com; find and download the USB driver, calibration upgrade tool and firmware. (USB drivers are not required for Mac OS and WIN10 systems)
2. Install the driver. Extract the compressed firmware file.
3. Open the calibration upgrade tool, "Zhiyun Gimbal Tools", and click on "open serial port" at the top. Then, click "firmware update". Click "browse" in "path" and select the latest firmware file (.ptz extension), which you have already downloaded. Finally, click on the "update" button at the bottom and wait for the progress bar to reach 100%. After the upgrade is completed, the indicator light will change from rapid flashing to three blinks.



Product Specifications

Product model	CMF-06
Supported gimbals	CRANE 2S; WEEBILL-S (firmware update required); CRANE 3S (firmware update required)
Operating voltage	5-24V
Operating current	Quiescent current: 100mA (8.4V); stall current: 2.5A (8.4V)
Maximum torque	0.2Nm
Maximum rotation speed	250RPM
Device weight	≈105g
Dimensions	87.6*56.7*27.5mm
Operating temperature	-20~45°C
Control gear	Module: 0.8, number of gears: 33
Gear ring	Module: 0.8, number of gears: 135, total length: 340mm

Disclaimer and Warning

Thank you for purchasing TransMount Focus/Zoom Control Motor 2.0 (herein referred to as the Follow Focus Motor). The information contains herein affects your safety, legitimate rights and obligations. Please read this instruction carefully to ensure proper configuration before use. Failure to read and follow this instruction and warnings herein may result in serious injury to you or bystanders, or damage to your device or property. Guilin Zhishen Information Technology Co., Ltd. reserves all rights for final explanation on this instruction and other documents related to TransMount Follow Focus Motor . The information is subject to update without notice. Please visit www.Zhiyun-tech.com to obtain the latest product information.

By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all terms, precautions, practices, policies and guidelines ZHIYUN has made and may make available.

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Warnings

Read the ENTIRE User Guide to become familiar with the features of this product before operating. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. DO NOT use with incompatible components or in any way otherwise as mentioned or instructed in the product documents provided by ZHIYUN. The safety guidelines herein contain instructions for safety, operation and maintenance. It is essential to read and follow all of the instructions and warnings in the User Guide, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury.

Safe Operation Guidelines

CAUTION:

- 1.The TransMount Follow Focus Motor is a high-precision control device. Damage may be caused to the TransMount Focus Motor if it is dropped or subject to external force, and this may result in malfunction.
- 2.The TransMount Follow Focus Motor is not waterproof. Prevent contacts of any kind of liquid or cleaner with the TransMount Follow Focus Motor . It is recommended to use dry cloth for cleaning.
- 3.Protect the TransMount Follow Focus Motor from dust and sand during use.

Warranty Period

1. Customers are entitled to replacement or free repair service in case of quality defect(s) found in the product within 15 days upon receipt of the product.
2. Customers are entitled to free repair service from ZHIYUN for any product proven defective in material or workmanship that results in product failure during normal consumer usage and conditions within the valid warranty period, which is 12 months counting from the date of selling. However, warranty period varies by product component and country of purchase. Please contact our after-sales service team on ZHIYUN official website or your place of purchase for detailed warranty information.

Warranty Exclusions

1. Products subjected to unauthorized repair, misuse, collision, neglect, mishandling, soaking, accident, and unauthorized alteration.
2. Products subjected to improper use or whose labels or security tags have been torn off or altered.
3. Products whose warranty has expired.
4. Products damaged due to force majeure, such as fire, flood, lightening, etc.

Warranty Claim Procedure

1. If failure or any problem occurs to your product after purchase, please contact a local agent for assistance, or you can always contact ZHIYUN's customer service through email at service@zhiyun-tech.com or website at www.zhiyun-tech.com.
2. Your local agent or ZHIYUN's customer service will guide you through the whole service procedure regarding any product issue or problem you have encountered. ZHIYUN reserves the right to reexamine damaged or returned products.

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Address: 09 Huangtong Road, Tieshan Industrial Zone, Qixing District, Guilin, 541004, Guangxi, China.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement, The device can be used inportable exposure condition without restrictionFederal Communication Commission (FCC) Radiation Exposure StatementPower is so low that no RF exposure calculation is needed.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warranty Card

用户信息\Custom information

用户姓名\Customer Name

联系电话\Contact No

通讯地址\Address

销售信息\ Sales Information

销售日期\Sales Date

机身序列号\ Prod. Serial No

经销商名称\ Dealer

经销商联系电话\Contact No

第一次维修记录\#1 Maintenance Record

送修日期\Service Date

维修员签名\Signature of Repairman

故障原因\Cause of Problem

处理结果\Service Result

☐修好\Solved

☐未修好\Unsolved

☐退换\Refunded (Replaced)

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