



TransMount Motion Sensor Remote Controller

User Guide

Contents

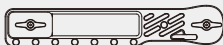
- Packing List
- Get to know Motion Sensor Remote Controller
- Preparing and Charging the Battery
- Installation
- How to Use
 - Buttons Description
 - Display Screen Description
 - Menu Options Description
 - Use the Motion Sensor
- Firmware Update
- Product Specifications
- Disclaimer and Warning
 - Reading Tips
 - Warnings
 - Safe Operation Guidelines
- Warranty Card
 - Warranty Period
 - Warranty Exclusions
 - Warranty Claim Procedure
- Contact Card

Packing List

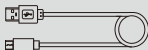
The product package comes with the following items. In case any item is found missing, please contact ZHIYUN or your local selling agent.



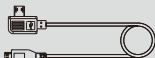
Remote Controller X1



Extension Plate X1



Micro USB cable X1

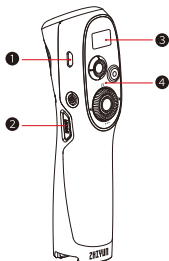


ZW-Micro-002 cable X1

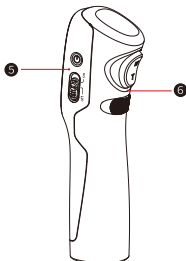


User Guide X1

Get to know Motion Sensor Remote Controller



- ① Micro USB charging/communication port
- ② Left side buttons (More seen on "Buttons Description")
- ③ Display screen (More seen on "Display Screen Description")

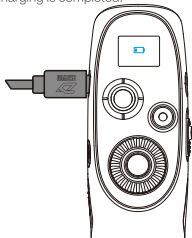


- ④ Front buttons (More seen on "Buttons Description")
- ⑤ Right side buttons (More seen on "Buttons Description")
- ⑥ Back buttons (More seen on "Buttons Description")

Preparing and Charging the Battery

TransMount Motion Sensor Remote Controller has a built-in battery. For the first time use, please fully charge the controller to activate the battery.

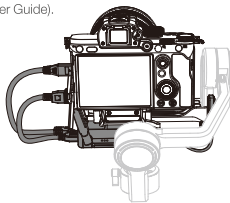
Charging method: Connect Micro USB charging/communication port of the controller to the adapter (not provided, 5V1A is recommended) with provided Micro USB cable. When the battery icon stops blinking on the display screen, the charging is completed.



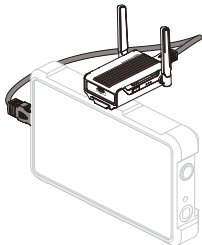
Installation

⚠ TransMount Motion Sensor Remote Controller must be used with TransMount Image Transmission Transmitter and Receiver. To use the two accessories properly, please refer to TransMount Image Transmission Transmitter User Guide and TransMount Image Transmission Receiver User Guide.

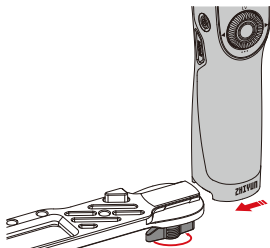
1. Install and connect the transmitter to WEEBILL-S with cables (More seen on TransMount Image Transmission Transmitter User Guide).




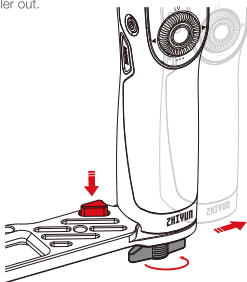
2. Install and connect receiver to the monitor with cables (More seen on TransMount Image Receiver User Guide).



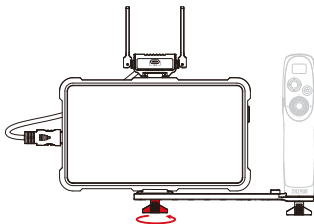
3. Install the controller on the extension plate and tighten the screw.



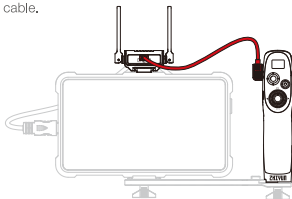
-  To take off the controller from the extension plate, please loosen the screw first and press the safety lock. Finally push the controller out.




4. Install the monitor with the receiver on the extension plate.



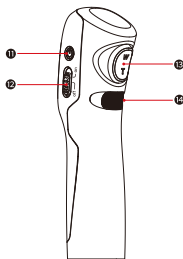
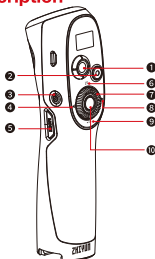
5. Connect the controller and the Micro USB charging/communication port of the receiver with provided ZW-Micro-002 cable.



-  This cable is for communication between the controller and the receiver. After correct installation and connection, the controller (when powering on) will be automatically charging the receiver. The battery life of the controller will be affected.

How to Use

1. Buttons Description



① Joystick

Four-way direction control of the camera/lens on the stabilizer.

② Video []

Single press to start/end video recording.

③ Reposition

Single press the button to reset the position of the stabilizer

④ Left []

- In the main screen, single press to move to the previous option.
- In the menu screen, single press to move to the previous screen.
- Control the electronic zoom when carrying a Sony camera.

⑤ Mode

- Single press to switch among PF, L and F mode.
- Double press to switch among POV, Go and Vortex mode.
- Long press to enter or exit the standby mode.

⑥ LV Button

- Single press the LV Button, the camera enter or exit the Live Preview mode.
- Double press the LV Button to lock all buttons on the front side of the grip, and double press again to unlock the buttons.
- Triple press to lock the joystick on the grip and double press to unlock it.

⑦ Dial

- In the main screen, rotate the dial to adjust camera parameters.
- In the menu screen, rotate the dial to switch between options.

⑧ Right []

- In the main screen, single press to move to the next option.
- In the menu screen, single press to confirm the selection.
- Control the electronic zoom of the camera when connecting to Sony camera.

9 Menu [•••]

Single press to enter or exit the menu.

10 Shutter Button

- Half-press to activate autofocus.
- Full-press to take photos.

11 Power Button [○]

Press and hold the Power button for 3 seconds to power on/off the controller.

12 Motion Sensor On/Off Button

Push upward to turn on Motion Sensor. Push downward to turn off Motion Sensor.

13 Zoom Slider

Control electronic zoom of some cameras or TransMount Servo Zoom/Focus Controller.

14 Focus/Zoom Control Wheel

Control electronic focus of some cameras or TransMount Servo Zoom/Focus Controller.

2. Display Screen Description



The controller is charging



Unconnected



Camera params settings unadjustable



Camera params settings adjustable



Connecting with Sony cameras



Menu screen



Key lock



Key lock



Upgrade mode

	Camera connected with stabilizer
	Video mode
	Photo mode
	Controller connected with receiver
	Battery level (controller)
key lock	Buttons are locked when camera parameter settings are unadjustable
	Buttons are locked when camera parameter settings are adjustable
PF	Pan Following Mode
L	Locking Mode
F	Following Mode
POV	Point Of View Mode
GO	Go Mode
V	Vortex Mode
AV	Aperture Value
TV	Shutter Speed Value
ISO	ISO
	EV

3. Menu Options Description

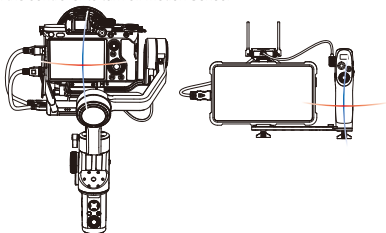
motion (Motion sensor settings)	speed (Follow speed of motion sensor)	Tilt Axis		
		Roll Axis		
		Pan Axis		
	smooth (Smoothness of motion sensor)	Tilt Axis		
		Roll Axis		
		Pan Axis		
advance (Stabilizer params settings)	speed	control (Control speed of joystick)	Tilt Axis	
			Roll Axis	
			Pan Axis	
		follow (Follow speed of motor)	Tilt Axis	
			Roll Axis	
			Pan Axis	
	smooth	Tilt Axis		
		Roll Axis		
		Pan Axis		
	deadband	Tilt Axis		
		Roll Axis		
		Pan Axis		
	default (restore default settings)	yes		
		no		
wheel (control wheel setting)	sensi (control wheel sensitivity)	low		
		medium		
		high		
		Max	A (Set the current wheel position as A point)	
	B (Set the current wheel position as B point)			
	clear (Clear AB Points)			
	Lite	A (Set the current wheel position as A point)		
		B (Set the current wheel position as B point)		
		clear (Clear AB Points)		
	function (control wheel functions)	M-focus (TransMount Servo Zoom/Focus Controller)		
		E-focus (Electronic Zoom/Focus)		
		off (disable control wheel on the handle)		
		reverse (control the wheel in reverse direction)	off	
	on			
joystick (Joystick Setting)	reverse (control the joystick in reverse direction)	vertical (in vertical direction)	off	
			on	
		horizontal (in horizontal direction)	off	
			on	
rocker (Zoom Slider settings)	sensi (control wheel sensitivity)	low		
		medium		
		high		
	AB point *	Max	A (Set the current wheel position as A point)	
			B (Set the current wheel position as B point)	
			clear (Clear AB Points)	
		Lite	A (Set the current wheel position as A point)	
			B (Set the current wheel position as B point)	
			clear (Clear AB Points)	
	function (functions of zoom slider)	M-zoom (TransMount Servo Zoom/Focus Controller)		
		E-zoom (electronic zoom)		
		off (disable zoom slider)		
	reverse (control the slider in reverse direction)	off		
		on		
angle (Fine-tuning motor angle)	pitch (fine tune the angle of tilt axis)			
	roll (fine tune the angle of roll axis)			
calibration (Calibrate the controller)	yes	PUT IT ON THE TABLE (Please put it level on the table)		
	no			

upgrade (Firmware update)	UPGRADE MODE (enter into Upgrade Mode)
about	controller model, firmware version

💡 AB point settings are only available when connecting to ZHIYUN Servo Follow Focus correctly.

4. Use the Motion Sensor

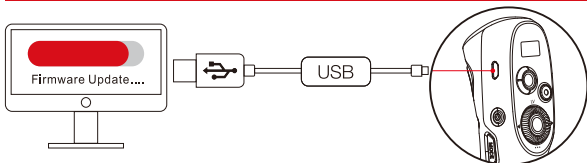
1. Connect the transmitter with receiver, and perform WIFI pairing procedure.
2. Connect the transmitter with camera and WEEBILL-S. Turn on the devices.
3. Connect the receiver with monitor and controller. Turn on the devices.
4. After successful connection, the green light indicator of receiver shines solid. Push upward Motion Sensor On/Off button on the controller to turn on Motion Sensor. Push downward Motion Sensor On/Off button on the controller to turn off Motion Sensor.



- 💡 ① Motion Sensor of roll axis are off as default. To turn it on, go to menu settings>"motion">adjust the speed of roll axis.
- ② After Motion Sensor turns on, the stabilizer enters locking mode automatically.
- ③ To protect the camera when using motion sensor, the tilt axis control range is $+135^{\circ} \sim -60^{\circ}$; the roll axis control range is $\pm 45^{\circ}$; the pan axis control range is 360° .
- ④ For the first time using motion sensor, please calibrate the controller. Find "calibration" in menu settings. Click "yes" to enter calibration. Follow the instruction "PUT IT ON THE TABLE" (put it level on the table) and the screen shows "WAITING...". Wait for 3 seconds and the screen shows "√". The calibration is completed. You can calibrate the controller again in actual use.



Firmware Update



Connect the Micro USB charging/communication port of the controller and laptop with Micro USB cable to update firmware.

1. Open the front page of ZHIYUN official website: www.zhiyun-tech.com. Go to "download">"firmware". Download "ZHIYUN Calibration Upgrade Tool", "USB Driver" and the latest firmware of controller. (For iOS and Win10, you don't need to download USB Driver.)
2. Turn on the controller. Press Menu button and select "upgrade" to update the firmware. Press Right button to enter the "Upgrade Mode".
3. Open "ZHIYUN Calibration Upgrade Tool" and follow the firmware update tutorials to update.

Product Specifications

Product model: COB05

	Min.	Standard	Max.	Remark
Working Voltage	-	7.4V	-	
Working Current	-	30mA	-	
Charging Voltage	-	5V	-	
Charging Current	-	2A	-	
Operation Temperature	0°C	25°C	45°C	
Battery Capacity	-	1300mAh	-	
Battery Runtime	-	5h	-	Standard runtime is concluded when the controller and receiver are working at the same time.
Charging Time	-	1.5h	-	
Product Net Weight	-	≈145g	-	Excluding extension plate.

Disclaimer and Warning

Thank you for purchasing TransMount Motion Sensor Remote Controller ("the controller"). The information contains herein affects your safety, legitimate rights and obligation. 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 the transmitter. 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.

ZHIYUN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. Users shall observe safe and lawful practices including, but not limited to, those set forth herein.

ZHIYUN™, TransMount™ are the trademarks of Guilin Zhishen Information Technology Co., Ltd. (hereinafter referred to as "ZHIYUN" or "ZHIYUN TECH") and its affiliates. All product names or trademarks referred to herein are trademarks or registered trademarks of their respective holders.

Reading Tips

Legends:



Hints and Tips



Important

Scan the QR code and operate under carrier network may cause traffic fee which will be charged by your carrier. It is recommended to operate under WIFI.

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

WARNING:

To avoid fire, serious injury, and property damage, observe the following safety guidelines when using, charging, or storing your batteries.

Battery Use

Please fully charge the transmitter before use every time.

Battery Charging

The battery will automatically stop charging once it is full. Please disconnect the battery and the charger when fully charged.

Battery Storage

1. If the transmitter is not used for over 10 days, please discharge the battery to 40%-65% before storage in order to extend the battery lifespan.
2. When the battery voltage is too low, the battery will enter low consumption mode. Charge the battery to exit low consumption mode.

Battery Maintenance

1. Do not over-charge or over-discharge the battery, which will damage the battery;
2. The battery performance will be affected for not being used for a long time;
3. Never use the battery when the temperature is too high or too low;
4. Fully charge and discharge the battery every three months to maintain the battery health.

Battery Disposal

1. Please fully discharge the battery before putting it in the designated recycling bin. Batteries contain hazardous constituents and it is forbidden to put the battery in general waste bin. For related details please abide by the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged, never put it in battery recycling bin. Please contact battery recycling companies for a proper solution.

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 delivery.

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, lightning, 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.

Warranty Card

Product model: COB05

Custom information

Customer Name :

Contact No :

Address :

Sales Information

Sales Date :

Prod. Serial No :

Dealer :

Contact No :

#1 Maintenance Record

Service Date :

Signature of Repairman :

Cause of Problem :

Service Result :

☐ Solved

☐ Unsolved

☐ Refunded (Replaced)

Contact Card

Scan the QR code below to stay tuned for more information of ZHIYUN.



Official website



Facebook
(Zhiyun Tech)



Facebook
(Zhiyun Support)



Instagram



YouTube

Certificate of Quality

This product is confirmed to meet quality standards and permitted for sale after strict inspection.

QC Inspector: _____



Tel: +86 (0) 773-3561275

USA Hotline: +1 808-319-6137, 9:00-18:00 GMT-7, Mon-Fri

Europe Hotline: +49 (0)6101 8132 180, 10:00-17:00 GMT+1, Mon-Fri

Email: service@zhiyun-tech.com

Website: www.zhiyun-tech.com

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

Please download the latest version from www.zhiyun-tech.com

This document is subject to change without notice.

ZHIYUN™, TransMount™ are the trademarks of Guilin Zhiyun Information Technology Co., Ltd. (hereinafter referred to as "ZHIYUN" or "ZHIYUN TECH") and its affiliates. All product names or trademarks referred to herein are trademarks or registered trademarks of their respective holders.

Copyright © 2020 ZHISHEN. All rights reserved.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

zhiyun-tech.com