



20810 Sockeye Pl #200
Bend, OR 97701

Support and Sales Questions:

Tel: (866) 977-6688 Monday to Friday 9AM to 5PM Pacific Time
or email support@evogimbals.com

EVOGimbals.com



EVO
PRO

English Manual V1.0

CONTENTS

Product Introduction	1
Get To Know The EVO PRO	2
Battery and Charging Instructions	3
Smartphone Installation	4
Introduction of The Control Panel	5
Stabilization Modes	7
Smart Lock & Manual Repositioning	8
Mobile Charging & EVO App	9
Calibration	10
Six-Sided Calibration & Firmware Upgrade	11
Specifications	12
Disclaimer	13
Warning & Safe Operation Guidelines	14
Battery Safety Guidelines	15
Warranty	16
My Notes	18

THANK YOU

First we want to stop and say THANK YOU for purchasing from us. We are thrilled to have you become a part of the EVO Gimbals family and can't wait for you to discover how amazing your footage is going to look with your new EVO PRO.

Your new gimbal is compatible with the most popular smartphone camera apps and is equipped with several new features and functions designed to help you get the most out of your smartphone's camera.

One of these featured updates is the new follow-focus wheel on the EVO PRO's handle - allowing for precise zoom and focus control without touching, swiping or pinching the screen. Pretty sweet right!?

While as awesome as this sounds the truth is that to really appreciate it all of these new features you have to invest a little time into understanding how they work. Which is why we pilotely request that before you use your new EVO PRO for the very first time please be sure to read this manual in it's entirety so that you are familiar with all of the EVO PRO's fuctions.

If you have any questions or need any assistance please visit our online Help Center.

And don't forget to *#KeepItSmooth!*



WHATS INCLUDED

Your new EVO PRO comes with the following items. In the rare event that you find any item missing, please contact your dealer or contact EVO Gimbals support team.



1 EVO PRO Gimbal



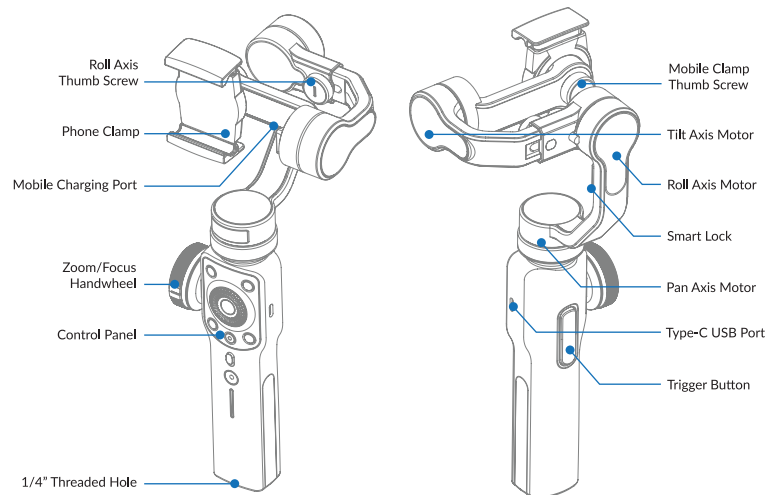
1 USB Cable



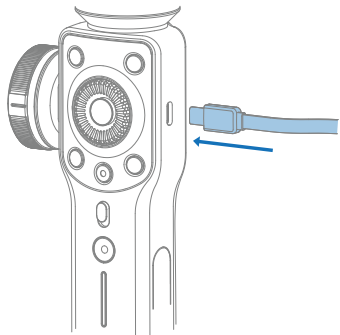
1 Tripod



1 Storage Case



BATTERY AND CHARGING INSTRUCTIONS

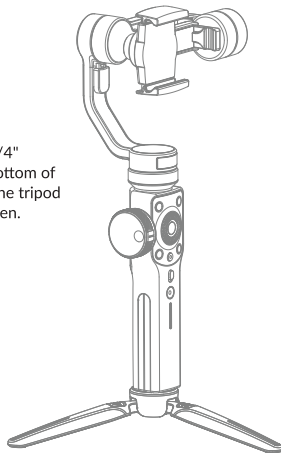
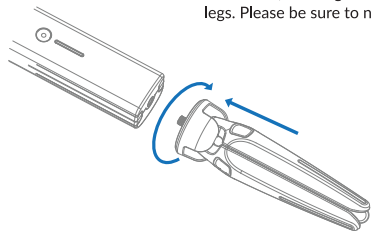


The EVO PRO is powered by 2 built-in Li-ion batteries. Before using your new EVO PRO, please fully charge the batteries to properly activate the Li-ion cells.

To charge the EVO PRO simply connect the Type-C cable provided in the package with a USB wall charger adapter and plug the cable into the USB-C port located on the right side of the handle.

INSTALLATION OF THE TRIPOD

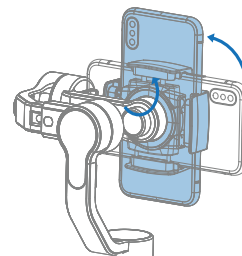
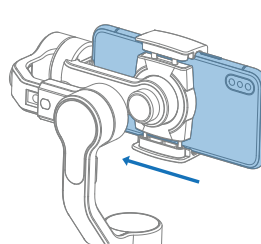
Attach the tripod by screwing the 1/4" threaded bolt into the hole at the bottom of the handle, once tight then unfold the tripod legs. Please be sure to not overtighten.



SMARTPHONE INSTALLATION

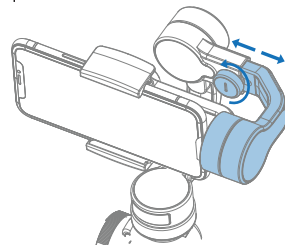
HOW TO MOUNT YOUR PHONE

Your EVO PRO features a universal spring-loaded smartphone clamp. To mount your phone simply spread the clamp apart and place your phone into the clamp. Adjust the phone's position vertically so the phone is evenly centered in the mount. Optionally you can loosen the adjustment knob on the back of the clamp and rotate the clamp 90 degrees to mount your phone in a portrait orientation for live video.

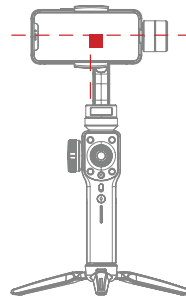


BALANCING

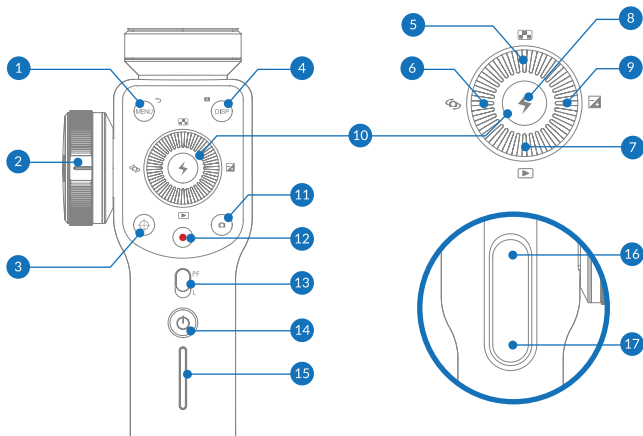
It is critical that you balance the roll axis center of gravity for best performance. Loosen the Roll (Y) Axis Thumb Screw to adjust the center of gravity by sliding the horizontal arm until the smartphone stays level and vertical on the tilt axis. Tighten the Thumb Screw after the smartphone is level to ensure normal operations.



Proper adjustment of gravity center ensures better power saving during operation. The stabilizer may still function well when the gravity center is not properly configured, however, it may lead to more power consumption on the motors, and can greatly affect the stabilization performance.



INTRODUCTION OF THE CONTROL PANEL



1 Menu/Return Button

- In general menu, press the button once to enter parameter adjustment menu;
- In parameter adjustment menu, click the button to save settings and return to previous option;

2 Zoom/Focus Handwheel

Handwheel can adjust the focal length of phone camera focus and its zoom ratio.

3 Zoom/Focus Switch Button

- Press the button once to switch between zoom and focus control on Handwheel

- When the button light is on, handwheel on the side controls the zoom of phone camera lens.

- When the button light is off, handwheel on the side controls the focus of phone camera lens.

4 Parameter Display Button

- Press the button once to display/close shooting parameters;
- In album mode, press the button once to display photo parameters;
- Long press the button to automatically return to "Full Auto Mode" on the APP.

5 Resolution Ratio/Frame Rate Button

Press the button once to enter resolution ratio/frame rate adjustment menu.

6 Camera Switch Button

Press the button once to switch between front and rear phone cameras.

7 Album Mode Button

Press the button once to enter phone album and playback photos or videos.

8 Confirm/LED Light Button

The Button works as Confirm Button when pressed once;

Long Press the button to turn on/off Fill Light.

9 Exposure Compensation Button

Press the button once to enter exposure compensation adjustment menu.

10 Thumb Wheel

Rotate the Thumb Wheel to adjust current option parameters.

11 Photo Button

Single press to take pictures.

12 Video Button

Single press to start or stop recording.

13 Mode Switch Button

Push slider up to enter PF - Pan Follow Mode;
Push slider down to enter L - Lock Mode.

14 Power Button

Press the button for 2 seconds to turn on/off the stabilizer;
Single press the button for stabilizer to enter standby mode or wake up stabilizer.

15 Battery Level Indicator

The button shows how much power is left.

0~25%: one blue light;
25~50%: two blue lights;
50~75%: three blue lights;
75~100%: four blue lights.

16 "Sport Mode" Mode Button - Full-speed Follow Mode Button

When pressing this button, the stabilizer enters Full-Speed Follow Mode - "Sport Mode". The EVO PRO can then follow your move synchronously at full speed.

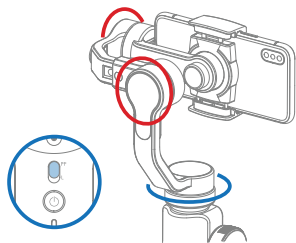
17 Follow Mode Button

When pressing the button, the stabilizer enters Follow Mode.
When double pressing the button, the tilt axis motor and roll axis motor go back to initial state.

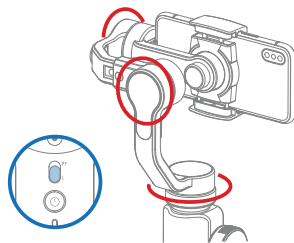
In standby mode, the stabilizer can still adjust phone camera parameters.

Part of the function buttons mentioned above can only be used when the stabilizer is connected to The EVO or ZY Remote App in the phone.

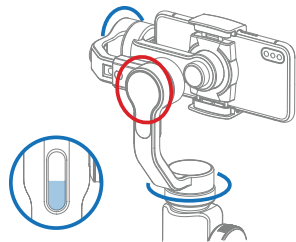
STABILIZATION MODES



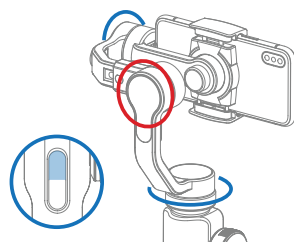
Pan Follow Mode (PF): The camera pans left/right following the movement of the stabilizer while the tilt and roll axis are locked.



Lock Mode (L): This mode locks movement of all three axis to keep the camera fixed on a shooting direction.



Full Follow Mode (FF): The roll axis is locked. The camera pans and tilts following the movement of the stabilizer.



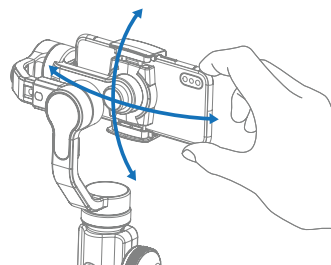
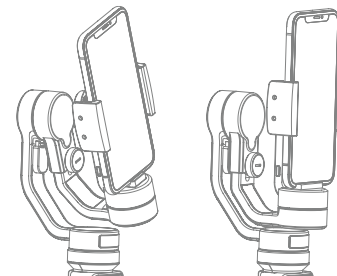
Full-Speed Follow Mode - "Sport Mode": The roll axis is locked. The camera pans and tilts following the movement of the stabilizer.

SMART LOCK & MANUAL REPOSITIONING

SMART LOCK

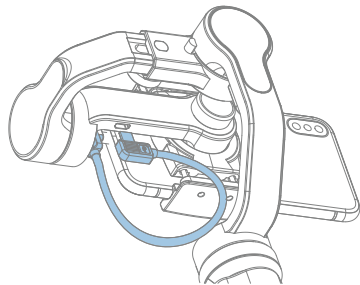
While stabilizer is powered on, rotate the horizontal arm down by hand, the stabilizer will automatically enter standby mode (motor power off) allowing you to lock the roll arm to the Smart Lock tab. Before turning on or waking up the stabilizer, release the roll arm from the Smart Lock tab.

Wake up the stabilizer by pressing the power button once or by rotating the horizontal arm to level by hand.



MANUAL REPOSITIONING

In Pan Follow Mode or Lock Mode, you can manually position the tilt angle by hand by holding the phone in the desired position and then releasing it. In Pan Follow Mode, manually adjust the tilt angle. In Lock Mode manually adjust tilt axis and pan axis.



To charge your smartphone while using the EVO PRO, use our optional Micro USB cable (sold separately). Plug the cable into the gimbal port and the other end into the smartphone charging port.

EVO PRO is compatible with the most popular smartphone camera apps:



EVO Remote



ZY Play



FiLMiC Pro



Connect the Stabilizer to Smartphone

1. Power on the stabilizer.
2. Confirm Bluetooth is activated on your smartphone.
3. Open the EVO Gimbals Remote App on your phone.
4. Tap on the Connect Your Device button and search for nearby signals, choose your stabilizer to connect.

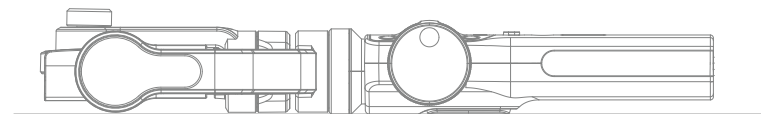
! All smartphone camera apps are subject to regular updates.

WHEN DO YOU NEED TO CALIBRATE THE STABILIZER?

Please calibrate the stabilizer when necessary to ensure normal use.

When...	How
a) Slight deviation is found in the tilt angle of the camera in level position after startup. b) Slight deviation is found in the roll angle of the camera in level position after startup. c) Frequent small angle correction is found when the camera is in level position while the stabilizer stays still.	Initialize the stabilizer
a) Slight deviation is still found in the tilt angle of the camera in level position after startup. b) Stabilizer unused for a long time. c) Too much of a temperature difference between operation environments.	Conduct Six-Side Calibration (page 11)
Slight deviation is still found in the tilt or roll angle of the camera in level position after the initialization and six—side calibration of the stabilizer.	Fine Tune Motor Offset

INITIALIZATION METHOD



After activating the stabilizer and entering stand-by mode, put the stabilizer on a flat surface and wait for 30 seconds, then the initialization of stabilizer is finished.

! If the angle deviation still persists after the initialization, please try again following the procedure.

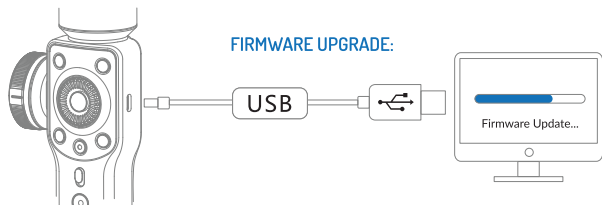
SIX-SIDED CALIBRATION & FIRMWARE UPGRADE

USE THE EVO APP TO COMPLETE THE SIX-SIDED CALIBRATION:

Please refer to "App Operations" on Page 9 for more information;
Connect the stabilizer to the EVO Remote App via Bluetooth, enter "Calibration" and finish the six-side calibration following the App instruction.
Six-Side Calibration is used to make all six sides of the phone clamp vertical to the level surface. Please refer to the EVO Gimbals help center for detailed guide and tutorial videos.

MOTOR FINE TUNING:

Please refer to "App Operations" on Page 9 for more information;
Connect the stabilizer to the EVO Remote App via Bluetooth, enter "PTZ" and adjust the value of the tilt and roll axis angle to your needs.



Connect the stabilizer to your computer via Micro USB cable for the firmware upgrade and calibration.

1. Visit EVOGimbals.com and go to the downloads section, find the EVO PRO stabilizer. Download the driver, calibration tool and latest firmware upgrade. The driver installation is not needed for Mac and WIN 10 system.
2. Connect the stabilizer to your computer via Micro USB cable, power on the stabilizer and finish the installation of the driver.
3. Quick press the power button to enter standby mode.
4. Open the downloaded Calibration Tool on your computer and upgrade firmware following the instructions indicated in the Firmware Upgrade.

SPECIFICATIONS

	Min.	Standard	Max.	Remarks
Operation Vol.		7.4V		
Operation Current	120mA		2500mA	
Charging Input Vol.	4.7V	-	5V	
Charging Input Current	500mA	-	2000mA	
Power Output Vol.	-	5V	-	
Power Input Current	-	-	2000mA	
Built-in Battery Volume	-	2000mAh*2	-	
Tilt Angle Range	-	240°	-	
Roll Angle Range	-	240°	-	
Pan Angle Range	-	300°	-	
Operation Temperature	14°F	77°F	113°F	
Operation Time	-	12h	-	See Note 1
Charging Time	-	3h	-	See Note 2
Charging Environment Temperature	23°F	-	+140°F	
Payload	75g	-	210g	
Horizontal Arm Adjustment Range	-	10mm	-	
Clamp Range	62mm	-	85mm	
Application Sphere	Any smart phone with width within the range of clamp			

- 1- Average total run-time. Actual run-times vary based on payload, balance and supplemental phone charging.
2- Average charging time. Actual charging times will vary based on battery temperature. Please note, if battery temperature is too high, battery charging circuit will be disabled to protect equipment.

DISCLAIMER

Thank you for purchasing the EVO PRO. The information contains herein affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and following instructions and warnings herein may result in serious injury to you or bystanders, or damage to your device or property.

EVO Gimbals reserves the right of final explanation for this document and all relevant documents relating to the EVO PRO and the right to make changes at any time without notice. Please visit EVOGimbals.com for 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 EVO Gimbals has made and may make available.

EVO Gimbals 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.

All product names or marks referred to hereunder are trademarks or registered trademarks of their respective holders.

WARNING & SAFE OPERATION GUIDELINES

WARNING

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 EVO Gimbals. 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 EVO PRO is a high-precision control device. Damage may be caused to the EVO PRO if it is dropped or subject to external force, and this may result in malfunction.
2. Make sure the rotation of the gimbal axes is not blocked by external force when the EVO PRO is turned on.
3. The EVO PRO is not waterproof. Prevent contacts of any kind of liquid or cleaner with the EVO PRO. It is recommended to use dry cloth for cleaning.
4. Protect the EVO PRO 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 SAFETY GUIDELINES

1. Prevent the batteries from coming into contact with any kind of liquid. Do not leave batteries out in the rain or near a source of moisture. Do not drop the batteries into water. If the inside of the battery comes in contact with water, chemical decomposition may occur, potentially resulting in the battery catching on fire, and may even lead to an explosion.
2. If the battery falls into water with the stabilizer during use, take it out immediately and put it in a safe and open area. Maintain a safe distance from the battery until it is completely dry. Never use the battery again, and dispose of the battery properly as described in the Battery Disposal section below.
3. If the battery catches fire, use water, water spray, sand, fire blanket, dry powder, or carbon dioxide fire extinguisher immediately to put out the fire. Please extinct the fire by applying the methods recommended above according to the actual situation.
4. Never use non-EVO Gimbals batteries. If replacement or backup is needed, please purchase new batteries from EVO Gimbals' official website or authorized channels. EVO Gimbals takes no responsibility for any damage caused by non-EVO Gimbals batteries.
5. Never use or charge swollen, leaky, or damaged batteries. Never use or charge if the battery smells, or overheats (exceeding maximum temperature of 160°F / 71°C). If your batteries are abnormal, contact EVO Gimbals for further assistance.
6. The battery should be used within the temperature range from 14°F to 122°F. Use the battery in environments above 122°F can lead to a fire or explosion. Use of battery below 14°F can lead to serious battery damage.
7. Do not use the battery in strong electrostatic or electromagnetic environments. Otherwise, the battery protection board may malfunction.
8. Do not disassemble or use any sharp object to puncture the battery in any way. Otherwise, the battery may leak, catch fire or explode.
9. Do not mechanically strike, crush, or throw the battery. Do not place heavy objects on the battery or charger.
10. Electrolytes inside the battery are highly corrosive. In case of accidental contact of any electrolytes with your skin or eyes, rinse immediately with water for at least 15 minutes and seek medical advice as soon as possible.
11. Do not use the battery if it has been involved in a crash or heavy impact.
12. Do not heat the battery and never put the battery in a microwave oven or in a pressurized container.

WARRANTY

EVO Gimbals ("EVO Gimbals") warrants this product against defects in material or workmanship for the time periods and as set forth below. Pursuant to this Limited Warranty, EVO Gimbals will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. In the event of a defect, these are your exclusive remedies.

Labor: For a period of one (1) year from the original date of purchase of the product ("Labor Warranty"), EVO Gimbals will, at its option, repair or replace with new or refurbished product, product determined to be defective. If EVO Gimbals elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

Parts: For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), EVO Gimbals will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the EVO Gimbals authorized service facility specified. It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and EVO Gimbals will not be responsible for any such damage or loss. A dated purchase receipt is required. For specific instructions on how to obtain warranty service for your product, visit Our Official Web Site: EVOGimbals.com

Or email EVO Gimbals Customer Support
support@evogimbals.com

For an accessory or part not available from your authorized dealer please visit our website.

Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of EVO Gimbals.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the EVO Gimbals product.

This Limited Warranty does not cover EVO Gimbals products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

LIMITATION ON DAMAGES: EVO GIMBALS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

WARRANTY PERIOD:

The warranty period is (1) Year from the original date of purchase. During this warranty period, under normal use, EVO Gimbals will at its option, repair and/or replace parts determined to be defective.

WARRANTY DOES NOT COVER:

1. Any unauthorized maintenance, misuse, collision, liquid infiltration (water damage), or modifications.
2. Incorrect Use of Product: altering software, removing serial numbers/logos, using cameras not approved by EVO.
3. Damage due to fire, flood, acts of God, misuse and related damage.
4. Any prepaid freight for warranty service.

WARRANTY SERVICE:

If any product issues arise please contact your dealer first. Many gimbal performance problems can be solved with a simple calibration sequence. Be sure to visit www.EVOGimbals.com for the latest tutorial videos.

If it is found that service on your gimbal is needed please visit our official website (www.EVOGimbals.com) or email us support@evogimbals.com to start a warranty claim.

WARRANTY REGISTRATION:

Please register your warranty so we can provide you with the latest firmware updates, user manuals and tutorial videos. To register your warranty please and/or obtain warranty service for your gimbal, visit Our Web Site: EVOGimbals.com