

KAISER BAAS®



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DELTA DRONE
ELECTRONIC GIMBAL
USER GUIDE



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We advise that you regularly check the Delta Drone product page at www.kaiserbaas.com

This page is updated frequently with product information, upgrades and additions to the User Guide.

Kaiser Baas reserves the right to make changes to this User Guide if required. The information within this manual is subject to change without notice.

If you have any questions or concerns regarding your product, please contact your Retailer or the Kaiser Baas Tech Team.

FEATURES

The Kaiser Baas Delta Drone Gimbal has been specifically designed for use with the GoPro Hero 3™, 3+™ & Hero 4 Silver/Black™.

Whilst in use, the Delta Drone Gimbal allows the Pilot to achieve smooth, optimised footage.

Using gyroscopic technology and 2-axis brushless motors, the Delta Drone Gimbal balances and stabilises the attached camera to capture footage and stills, without shakes or bumps

IMPORTANT! Make sure the Drone battery is disconnected before connecting the Gimbal.

WHAT'S IN THE BOX?

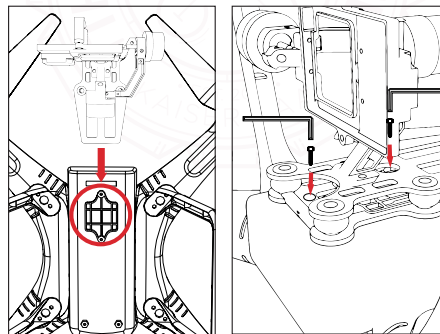
- Delta Drone Gimbal
- 2 x Landing Gear Stabilisers
- Screws
- Combined Data & Power Cable
- User Guide
- Allen Key Set

INSTALLATION INSTRUCTIONS

Step 1.

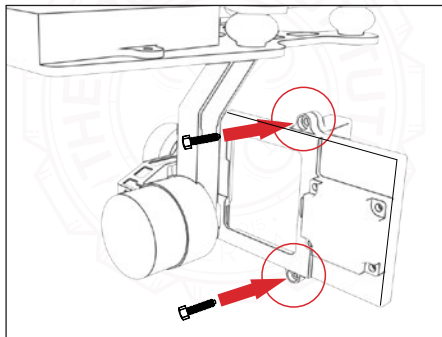
Fix the Gimbal Mounting Plate to the underneath of the Delta Drone with two screws and the Allen Key Set.

Compress the dampening pads with your hand to make tightening the screws easier.



Step 2.

Attach a compatible GoPro™ camera to the Gimbal frame using the bracket and two more screws. Ensure it is fastened correctly and securely.



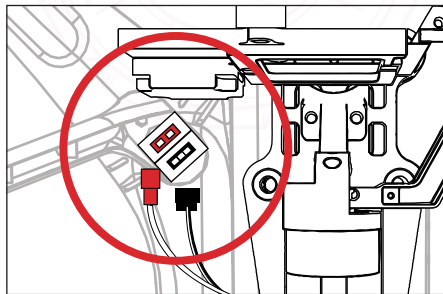
Step 3.

IMPORTANT! Make sure the Drone battery is disconnected before connecting the Gimbal.

Connect the Data & Power Cable to the Drone.

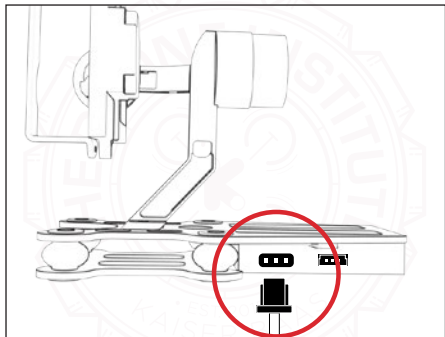
First connect the Red cable and then connect the Black cable.

The cables will only fit in one way. Do not force the cables in.



Step 4.

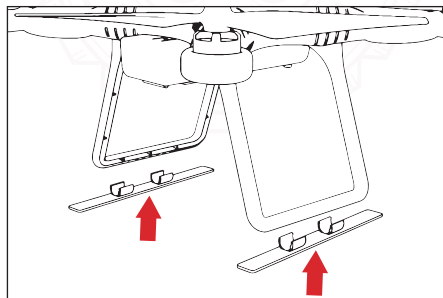
Connect the combined cable to the Gimbal Control Unit.



Step 5.

Installation of Landing Gear Stabilisers

Snap the included Landing Gear Stabilisers to the bottom of each landing leg. These extensions help to stabilise the Delta Drone during take-off and landing, counteracting the increased weight from the attached camera and the Gimbal itself.



OPERATION INSTRUCTIONS

Re-connect the Drone battery.

Once connected, the Gimbal will power-on at the same time as the Delta Drone.

Please ensure when you are powering-on the Drone, that the Gimbal camera is level and is not tilted up or down.

From here, you can control the Gimbal's pitch via the Gimbal Dial on the Delta Drone Transmitter.

The Gimbal Dial allows you to control the vertical pitch of the attached camera, during flight.

RE-CALIBRATION

If the Gimbal experiences any excessive tilting or is not stable (e.g. it is trembling), please perform the following recalibration instructions:

Make sure the Transmitter is off during the re-calibration process.

Re-calibration Instructions

Step 5. Make sure the Drone and Gimbal are powered-on, correctly installed, with the camera still attached.

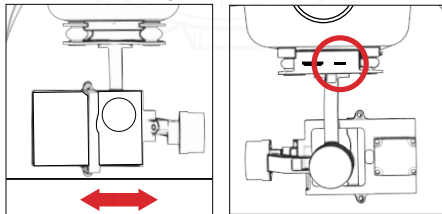
Step 6. Place the Drone on a level surface.

Step 7. PRESS the Gimbal calibration button (located at the rear of the Gimbal Mounting Plate).

The Gimbal motors should lose power and go limp.

Gently hold the Gimbal in the resting position you wish to calibrate it to. The Camera should be parallel to the flat surface the Drone is standing on.

Continue holding the Gimbal steady and **PRESS** and **HOLD** the Gimbal calibration button, for **SIX SECONDS** - you should feel the



Gimbal shudder at the six second mark.

RELEASE the calibration button and **CONTINUE** to **HOLD** the Gimbal steady for an additional **SIX SECONDS** - you should feel the Gimbal shudder again at the six second mark, this indicates that your Gimbal has been re-calibrated.

Gently remove your hand and the Gimbal should remain in place.

Step 8. Reset the Drone by disconnecting and reconnecting the battery.

Step 9. Turn on the remote transmitter you have completed the re-calibration process.

Specification

Working voltage	DC 7.4V-14.8V (recommended 11.1V, 3S LI-PO)
Operating current	500mA-600mA (related to voltage and motor power)
Working temperature	-15°~-65° C
Sensors	Three-axis gyroscope and accelerometer
Control accuracy	0.02°
Control range	Pitch - 13.5°~90°, Roll -45°~45°
Size	113 x 94 x 88mm
Gimbal Weight	128g (without camera)

CONTACT US

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helpdesk@kaiserbaas.com

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