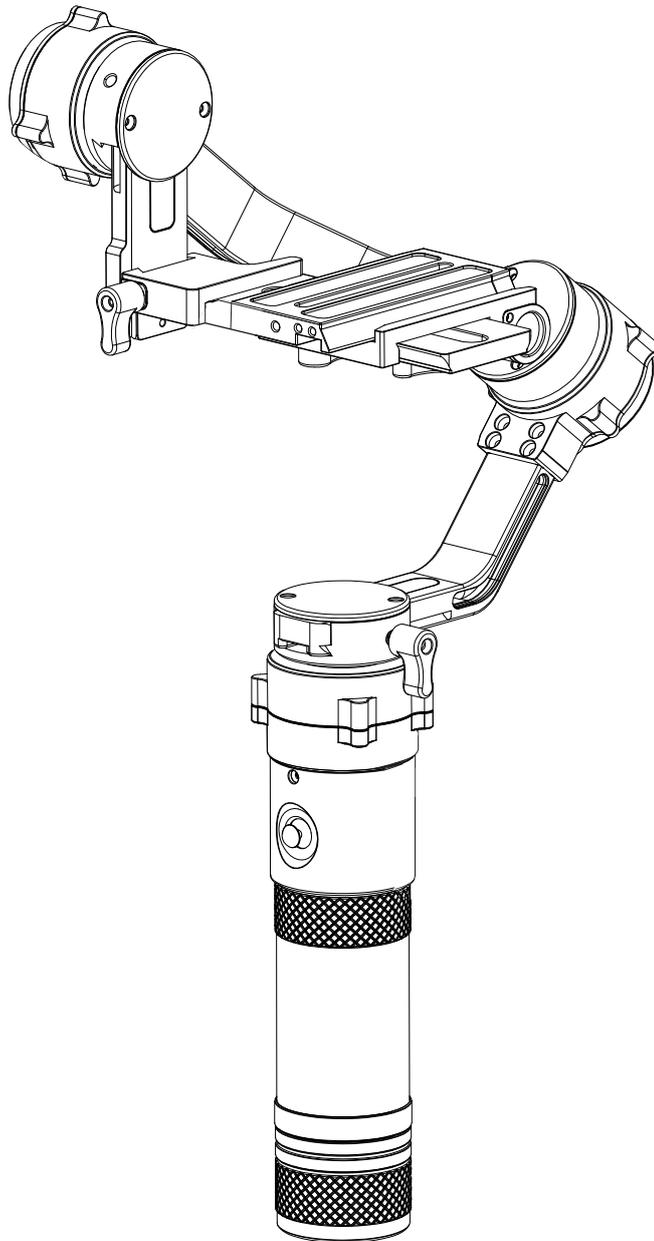




Ikan PIVOT

Angled 3-Axis Handheld Stabilizer Gimbal

Instruction Manual



Before using the product, please read this manual carefully. Be sure to keep this book in a safe place so that you can check it at any time in the future.

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About the PIVOT

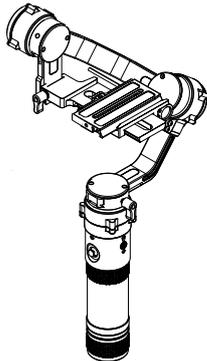
The PIVOT features a unique angled motor arm, which allows for a better view of the camera's screen while using the gimbal. Whether you're filming a fast action scene, high or low angle shot, the Pivot will help you obtain smooth footage.

The PIVOT is designed specifically for professional filmmakers looking for a single handheld stabilizer for a large range of cameras weighing up to 8 lbs. The newly developed Ikan Gimbal App allows for better PID tuning and camera support ranging from the Sony FS5 to the Canon 5D IV to the Sony a6500.

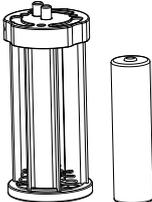
The Ikan PIVOT's upgraded advance stabilization uses a 12-bit encoder system and three independent 32-bit microcontrollers (MCU). The upgrades allow the gimbal to have improved stabilization, quicker response, and better battery life.

What's Included

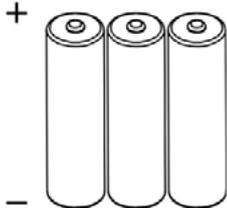
Before using the gimbal, please make sure the package contains all the items listed below. If any item is missing, please contact the dealer to resolve the situation.



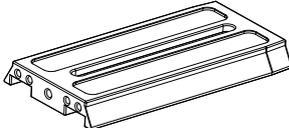
PIVOT Gimbal



Battery Cradle



3 x 18650 Batteries



Quick Release Plate



1/4" Screw

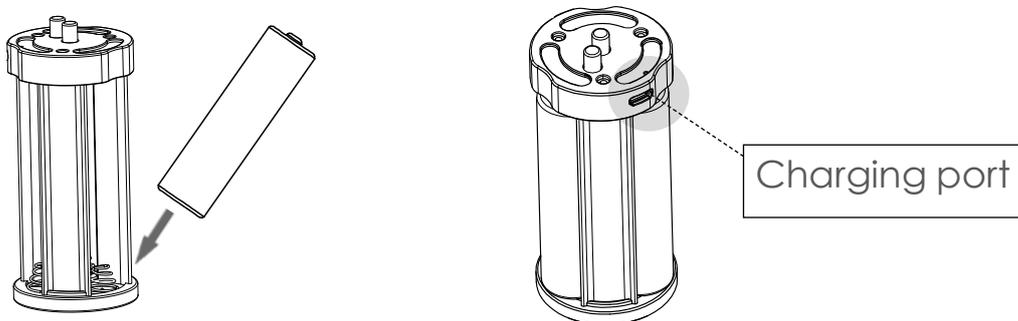
Charging the Batteries

For best performance, please use Ikan IB-18650-26 batteries. The LED indicator will turn red while charging and green if the batteries are fully charged.

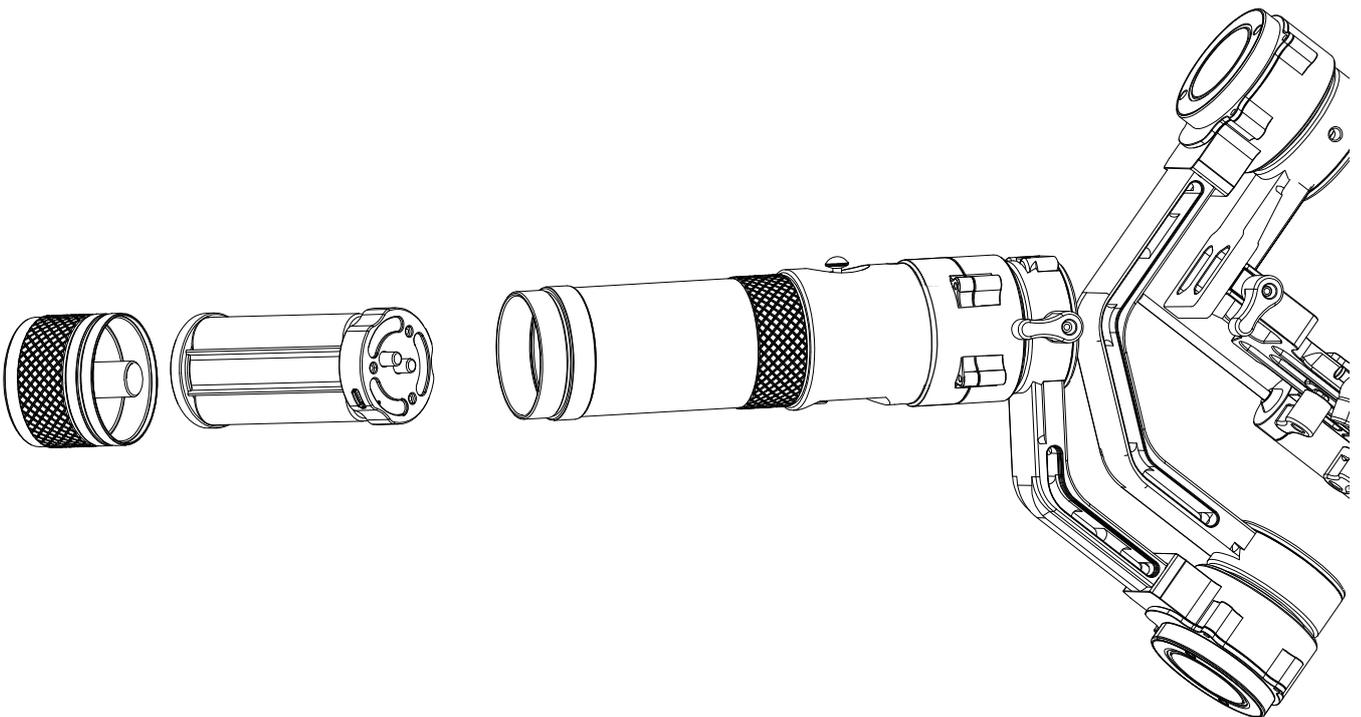
Connect the battery cradle to a USB power supply before placing the batteries in the holder for charging. The LED will turn green to indicate the USB power can be used. Disconnect the battery holder and insert the three batteries. Connect the battery cradle to the charger again. The LED indicator will turn red to indicate the batteries have started to charge. The battery cradle will only work when all three batteries are inserted.

Note: The battery cradle is only meant to be used as a temporary charging stand. When the battery LED indicator turns green, the batteries are only charged to 80% of the battery capacity. For 100% charge, please use a professional charging adapter or use Ikan's ICH-SC4 smart charger.

The PIVOT battery cradle is compatible with Qualcomm Quick Charge 3.0. A USB adapter rated a minimum of 5V 1A must be used.



- If you do not expect to use the product for an extended period of time, it is recommended to retain 70% of the battery capacity and store them in a dry cool area.
- If you need more batteries, we recommend purchasing Ikan IB-18650-26-3PK official batteries or other reliable batteries with a protection circuit to avoid overcharging and damaging the batteries. Using damaged or different capacity batteries may result in the Ikan PIVOT to fail to start up.
- **Hint:** Currently, the maximum capacity of an 18650 battery is 3500mAh. Avoid batteries with false advertisement of a larger capacity.



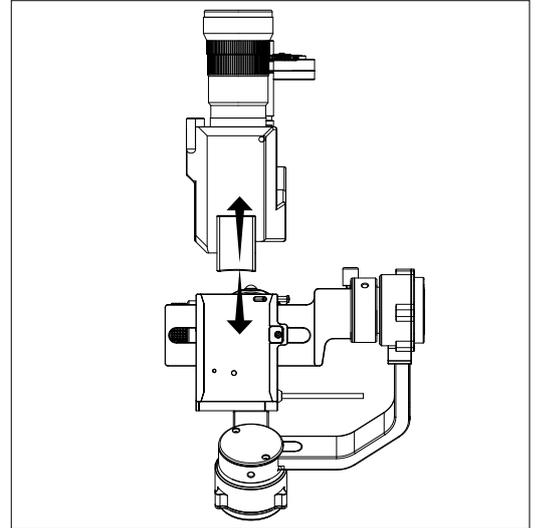
Camera Installation and Balance

Before installing the camera and adjusting the balance, remove the camera lens cover, attach the lens hood, and insert the memory card and camera battery before proceeding. The camera should be fully ready to shoot before balancing.

Step 1

Installing the quick release plate:

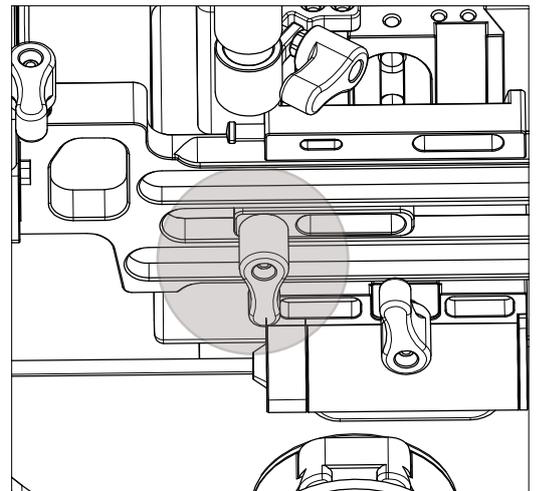
- Attach the quick release plate to the camera with the ¼" screw.



Step 2

Installing the camera on the gimbal

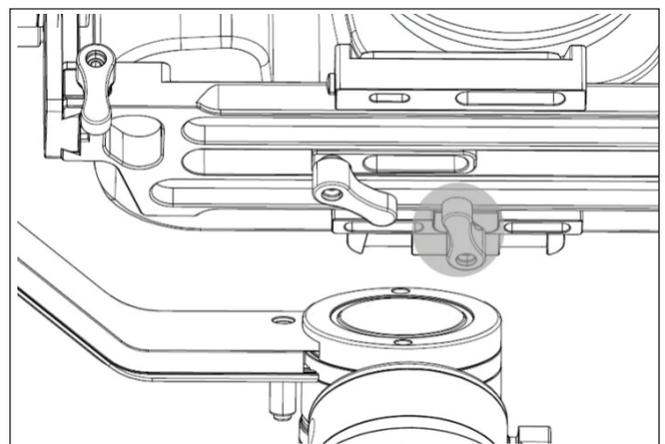
- Install the camera with the quick release mounted into the PIVOT bottom mount base.
- Slightly adjust the position of the camera into the base until you find a horizontal balance.
- Tighten the thumb screws.



Step 3

Adjust the gimbal roll – left and right balance

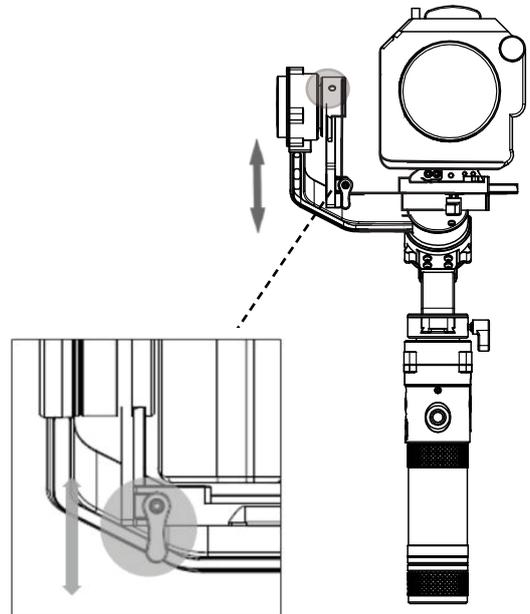
- Release the roll thumb screw.
- Slide the base left or right until the camera finds a balanced position. It is balanced when the camera doesn't lean left or right after letting go.
- Tighten the thumb screws.



Step 4

Adjust the gimbal pitch – up and down balance.

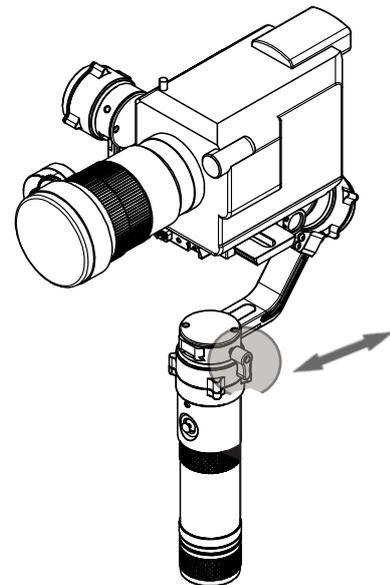
- Loosen the thumb screw to adjust the pitch level.
- Move the camera plate arm up and down until the camera stays in place at any angle.
- Tighten the thumb screws.



Step 5

Adjust the gimbal pan – forward and backward balance.

- Loosen the pan motor thumb screw.
- Tilt the gimbal handle 45 degrees forward.
- Move the pan arm to the left side or right side at 90 degrees and observe the direction it tends to move towards when released.
- If the pan arm tends to go up/ backwards, then the gimbal is front heavy. Move the pan arm back slightly and repeat the side test.
- If the pan arm tends to move down/ forward, it means the gimbal is back heavy. Move the pan arm slightly forward and repeat the side test.
- When in balance, the pan arm should stay at any position around the handle even when the handle is tilted.
- Tighten the thumb screws.



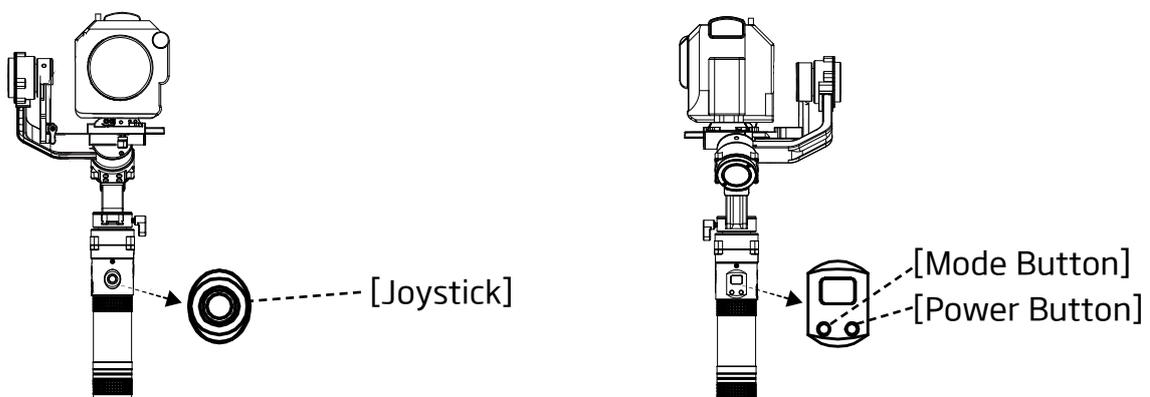
TIP

- After adjusting the camera installation, check that each knob is fully tightened.
- Do not overtighten the screw wrench to avoid stripping the screws.
- Before starting the gimbal, make sure the camera is properly mounted on the stabilizer and perfectly balanced.
- The Ikan PIVOT uses the latest 32-bit encoder system with three separate processors. It's able to start and level the camera if it is out of balance. For the best shot stability and battery life we strongly recommend you find the best balance before powering on the gimbal.

Powering On the Gimbal

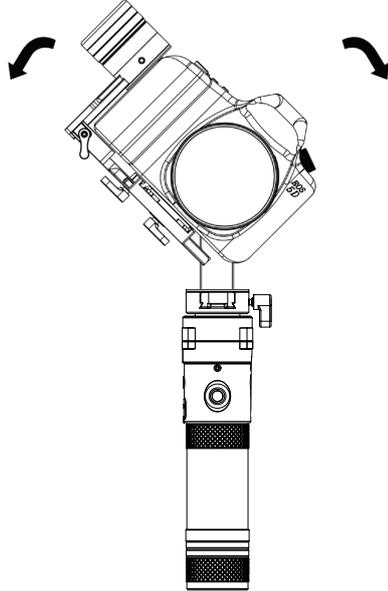
Before powering on the gimbal, make sure the camera is properly installed and balanced.

- Press the power button for two seconds to power on the gimbal
- The gimbal starts in pan follow mode (Profile 2)
- Use the joystick to control the camera tilt and pan direction
 - Push the joystick up or down for tilt up and down
 - Push the joystick left or right to pan the camera left or right
 - The OLED shows the current condition



TIP

Any of the profiles can be set to hold a specific angle or position manually. Take the camera and hold it in the desired position for 2 seconds. The system will automatically save the desired angle.

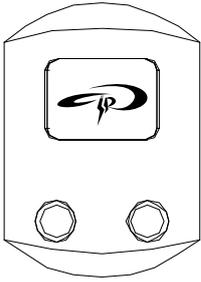


Time Lapse Mode

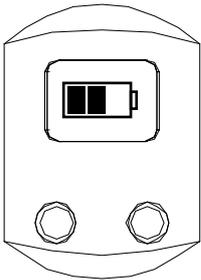
Time Lapse Mode Operating Instructions:

- In any mode, move the camera to point in the END position (B) of the time lapse.
- Enter the time lapse mode by pressing the mode button five times.
- You have 10 seconds to move the camera to the START position (A) of the time lapse.
- After the 10 seconds, the confirmation beeps will stop and the time lapse will begin.
- The gimbal will move from point A to point B within the specified time.
- Do not touch the camera or gimbal during the time lapse.
- The default time lapse times is 60 seconds.
- The app allows you to change the time lapse times within the range of 20 – 3600 seconds.

OLED Display



Start up interface with company logo



80% ~ 100%



50% ~ 80%



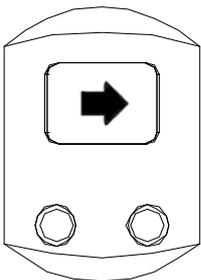
25% ~ 50%



10% ~ 25%



10% or less



Joystick Tilt Right



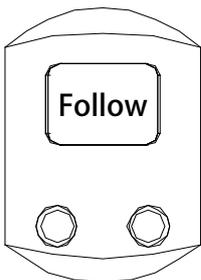
Joystick Tilt Up



Joystick Tilt Left



Joystick Tilt Down



Lock Mode: Press mode button once.

Pan Follow Mode: Press mode button twice.

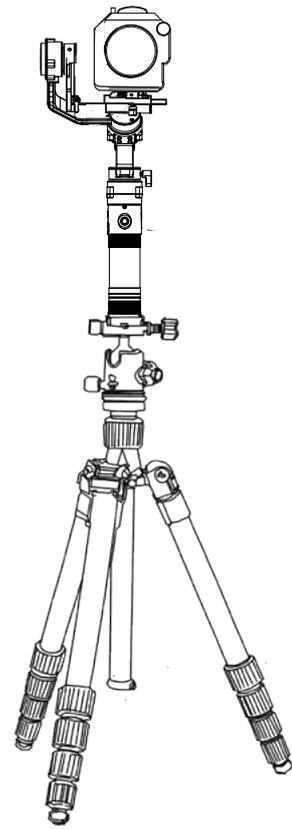
Follow Mode: Press mode button three times.

Full Follow Mode: Press mode button four times.

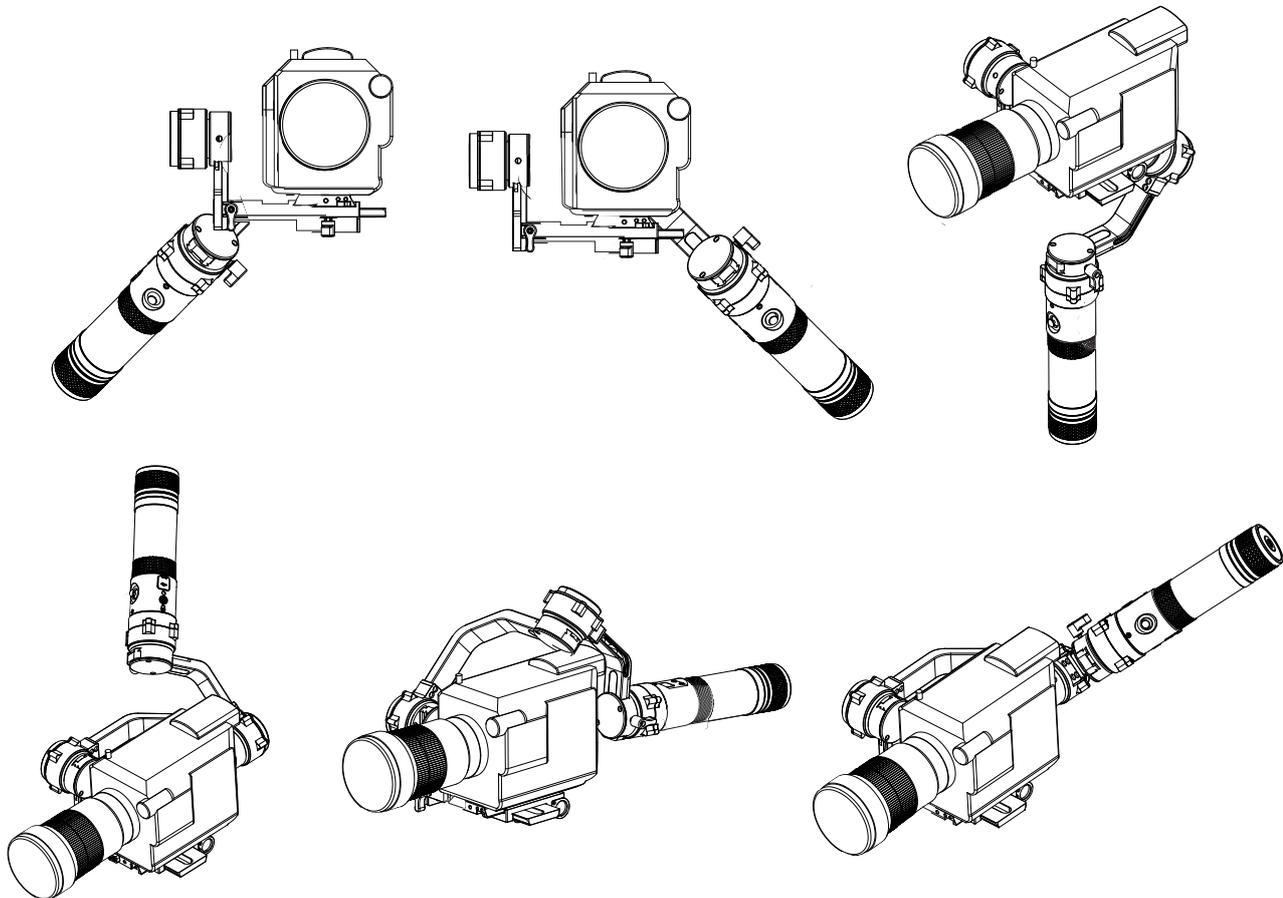
Profile 5: Press mode button five times to activate the time lapse.

Extra Features

- A. The gimbal can be used with a tripod, monopod, or slider to obtain different looking shots.
- B. The type C port is only used to connect the gimbal to the computer software or power the follow focus transmitter. It is NOT for charging the gimbal.
- C. The ¼" 20 mounts can be used to mount various equipment such as monitors, microphones, or lighting.
- D. The PIVOT is compatible with Manfrotto 577 series plates such as 501PL, 701, and other 50mm width quick release plates.



Gimbal Working Angles

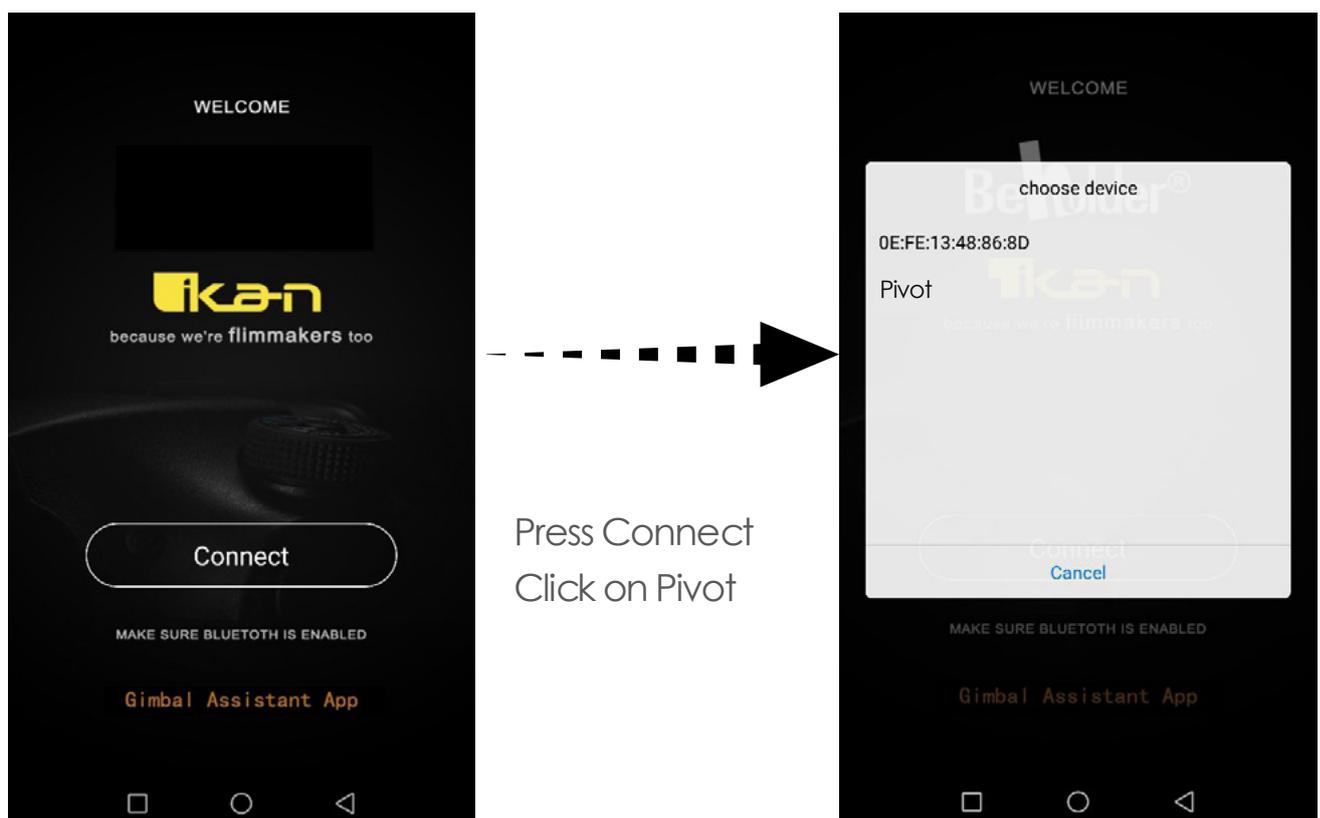


App Instructions

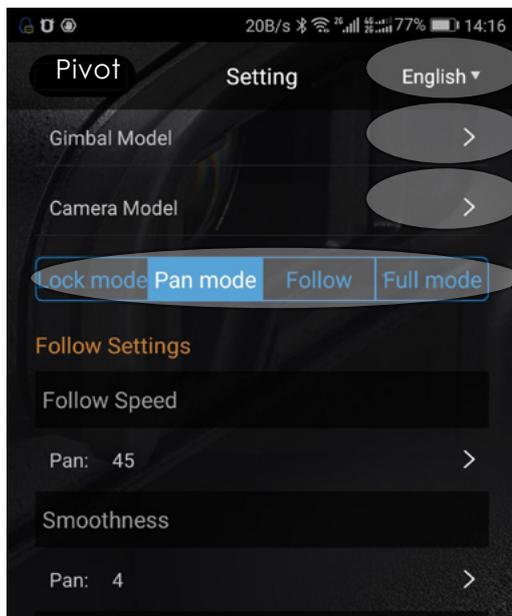
The official Ikan Gimbal App is available for both Android and iOS smartphones. The simple interface allows users to remotely control the gimbal, adjust parameters for better stability, and customize gimbal settings to the users' liking.

Android & iOS : Search 'Ikan Gimbal'

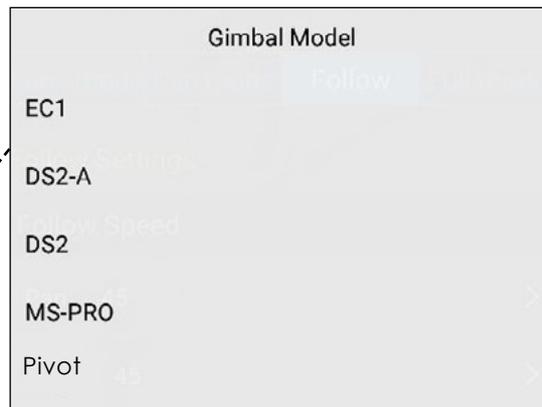
After downloading the App please make sure your Bluetooth is turned on before proceeding with the instructions below.



App Layout



(Language Options)

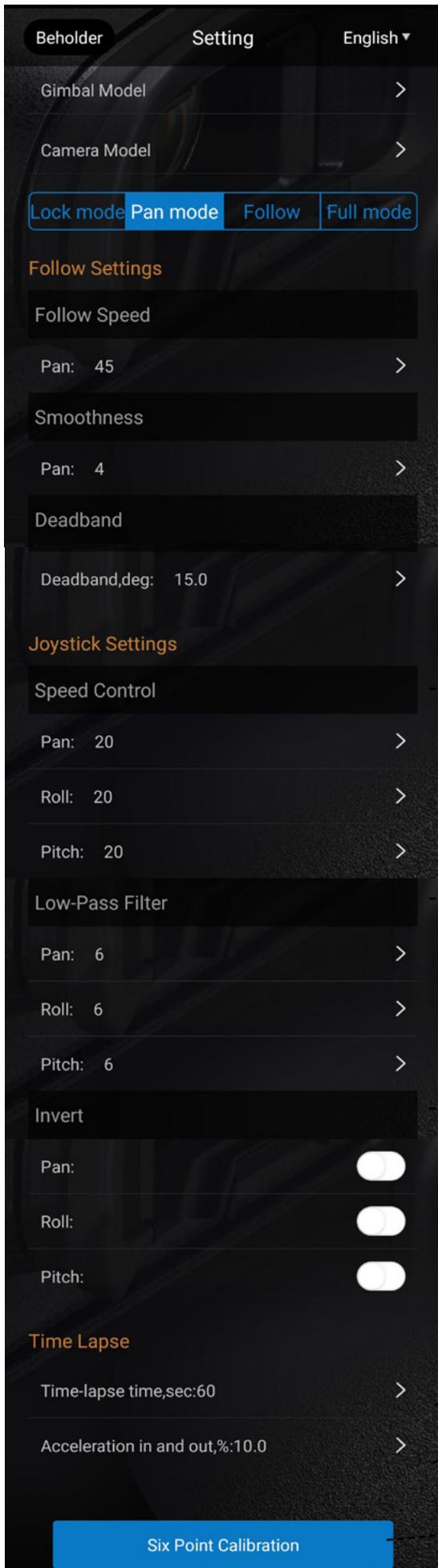


(Gimbal Selection)



(Camera Payload)

Switch between the four modes of the gimbal.



Follow speed: The greater the value the faster the gimbal will follow your movements.

Smoothness: The greater the value the more smooth the gimbal follow movements. The smaller the value the faster it will follow.

Deadband: The degree of movement allowed before the gimbal starts following your movements. The greater the value the more jitter room allowed.

Joystick speed: The greater the value the faster the joystick will move the gimbal.

Low-Pass Filter: The smoothness for the joystick controls.

Invert: Change the direction in which the gimbal reacts to the joystick movement.

Time lapse total duration time.

Time lapse acceleration and deceleration speed.

Six Point Calibration: Start the gyro and accelerator calibration.

Control

+ 11.37V

0%

Pitch

- Pan : 0
- Pitch : 0
- Roll : 0

0%

Pan

Home Position

Battery Voltage

Roll Control (Horizontal)

Pan and Pitch Controls

Function

Menu Item

Assign actions to menu button:

- 1click:Use profile Profile1 >
- 2click:Use profile Profile2 >
- 3click:Use profile Profile3 >
- 4click:Use profile Profile4 >
- 5click:Setup and start time-lapse motion >
- long press:Calibrate Gyro >

Sound Settings

- Confirmation Sound**
Changing modes,gimbal start up,time lapse set up
- Calibration Sound**
Gyro calibration,time lapse set up

Map different functions to mode button presses

Controls gimbal start up sound, mode changing sound, and time lapse start sound.

Controls gimbal calibration sound and time lapse set up time.

Setting Control Function More

Precautions

The Ikan PIVOT is shipped from the factory calibrated. However, after a long period of no use or if the temperature difference is too large, it may cause the gyroscope to drift automatically or tilt during use.

Gyroscope Calibration:

Before proceeding with the calibration please make sure that the camera is properly balanced on the gimbal. Place the gimbal on a leveled surface, power on the gimbal and press and hold the menu button for 6 seconds. The system automatically enters the gyroscope calibration mode. The motors will temporarily turn off for 5 seconds. Once the gimbal motors power back on the gyroscope calibration is complete. Your gimbal should be calibrated and ready for use; however, if you find that your gimbal is still drifting or tilting, please visit Ikan's YouTube channel for more in-depth troubleshooting steps.

Type C Port

The type C port on the PIVOT is only used to connect to the computer software or power other devices. It is NOT used to charge the gimbal.

Safety Instructions

1. Do not get too close to a magnetic field or a source of extreme heat and fire.
2. Using and storing this product under high temperature and humidity, water, or a highly corrosive environment can cause the device internal damage.
3. Protect the power cord to avoid trampling or backlog, particularly at plugs, sockets and other parts.
4. Do not use an incompatible power supply, charger or batteries that may cause a fire, explosion or other hazard. Use only manufacturer-approved equipment and matching accessories to meet safety standards. Other types of accessories may cause problems with the product or a security incident.
5. When not using this product for long periods of time, please remove the battery, wrap it in dust-proof packaging and place it in a dry environment.
6. Do not use the device during a thunderstorm or it may result in equipment malfunction or put you at risk of a lightning strike.
7. Do not expose the battery to excessive heat in the environment, such as sunlight, fire or similar factors.
8. Do not expose this appliance to dripping or splashing liquids.
9. Do not place conductive objects at the battery holder electrical terminal or contact the battery ends in order to not cause the battery to short-circuit or cause burns and other physical injuries due to the battery overheating.
10. Do not expose the battery near any heat sources such as sunlight, heaters, microwave, oven, stove, radiator, or other instruments that produce heat (including amplifiers).
11. If the battery is used improperly, there may be an explosion hazard. In order to reduce the risk of fire or burns, do not

disassemble, crush, puncture, short external connections, expose to heat or throw in fire.

- 12.If the batteries leak, do not allow the liquid to contact the skin or eyes. If your skin or eyes come in contact with the battery liquid, wash with water immediately and go to the hospital for medical treatment.
- 13.If battery discoloration, deformation, abnormal heat and other phenomena occurs, please stop using and replace the battery.
- 14.This product may contain small equipment and parts. Keep the device and its accessories out of reach of children. Children may damage the device or swallow small parts - beware of choking.
- 15.Dispose of used batteries in accordance with local regulations.

PIVOT Product Specifications

Model: PIVOT Angled 3-Axis Handheld Gimbal Stabilizer

Dimensions:	Height 195mm Length 140mm Width 340mm
Weight :	2.06kg (including the carrying case)
PIVOT Weight:	979.5g (excluding camera)
Shipping Dimensions:	375 x 230 x 75mm
Max Load Capacity:	8 lbs (3.6kg)
Battery:	3 x 18650 3.7v
Battery Operating Time:	Approx. 8-10 hours
Battery Charging Time:	Approx. 3-4 hours
Operating Temperature:	14°F to 158°F (-10°C to 70°C)
Working Angles:	Pan 360° Roll 310° Pitch 310°
Bottom Mounting Thread:	3/8"-16
Side Mounting Thread:	2 x 1/4"-20

Frequently asked questions and answers

1. How do you charge the gimbal?

The Ikan PIVOT can be charged in two ways: using the built-in battery holder micro USB or using a separate authorized dedicated charger (recommended) such as the Ikan ICH-SC4.

Charging using the battery holder:

- Remove the battery cap cover on the bottom of the handle.

- Take the battery holder out.

- Connect the power cable to the Micro USB.

- Connect the other cable end to power supply.

Charging using a dedicated charger:

- Buy an authorized smart charger.

- Release the battery holder.

- Take out the batteries and charge with a fast charger.

2. After mounting the quick release plate, sliding it into the stabilizer seems difficult. How do you fix this?

Release the 1/4 screw about two turns and then insert to the gimbal OR base.

3. After balancing the camera, adjusting the camera's center of gravity, and tightening the screws, the camera is still wobbly and unstable. Why?

The PIVOT default factory parameters may not be ideal for your current camera setup. Download the App and try selecting a different camera payload setting.

4. Why is my battery holder not charging?

When using the battery holder as a charger, the USB power supply must meet the minimum requirements. The common USB port may not supply enough power to charge the batteries. A USB adapter rated at a minimum of 2.5A/12.5W or more may be needed. You can also purchase a separate battery charger.

5. When I start up the stabilizer, the camera's center of gravity has been adjusted. Why is it always tilted to one side?

This may be from gyro magnetic fields that are affecting the surrounding environment, leading to an incorrect gyro direction. Solution: Press and hold the mode button for about 6 seconds to enter the calibration mode. It can be used normally after calibration is complete.

Copyright/Trademark Statement

Ikan® is a certified trademark, which cannot be used without our permission for any other purposes. The product has a number of patents so if copies of the product are found, the perpetrator will hold the relevant legal responsibility.

A regular dealer must obtain marketing authorization documents. Please visit an authorized dealer to purchase.

Product features, appearance or other functions may change over time. The company is free to implement and release any changes as desired.

Learn More:

More information at Ikan's official website: www.ikancorp.com

Support:

Contact email: support@ikancorp.com

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