Manuals+ — User Manuals Simplified.

FeiyuTech SCORP Mini User Guide
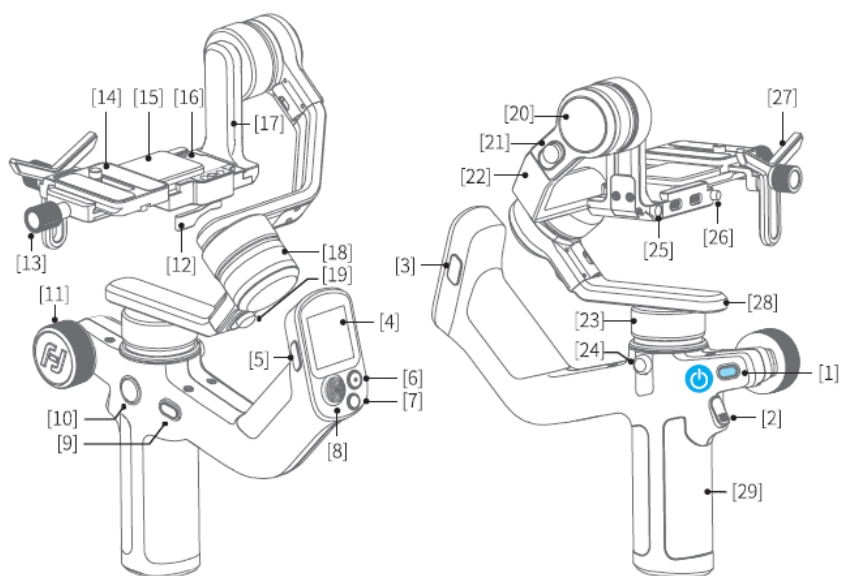
Contents [**hide**]

FeiyuTech SCORP Mini

Overview

* Not include camera.

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4. Touch screen

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6. Shutter button

7. Mode button

8. Joystick

9. FPV button

10. Knob function switching button

11. Multifunction knob

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User manual
Scan the QR code to get the latest user manual or download it from the official website.
https://www.feiyu-tech.com/feiyu-scorp-m in i/

User manual

Download the App
When mounting mirrorless camera, pocket camera or action camera on gimbal for shooting, please download "Feiyu SCORP".
When mounting smartphone on gimbal for shooting, please download "Feiyu ON".
Scan the QR code to download the app, or search for "Feiyu SCORP", "Feiyu ON" in the App Store or Google Play.
* Feiyu SCORP: Requires iOS 10.0 or above, Android 6.0 or above.
Feiyu ON: Requires iOS 9.0 or above, Android 6.0 or above.

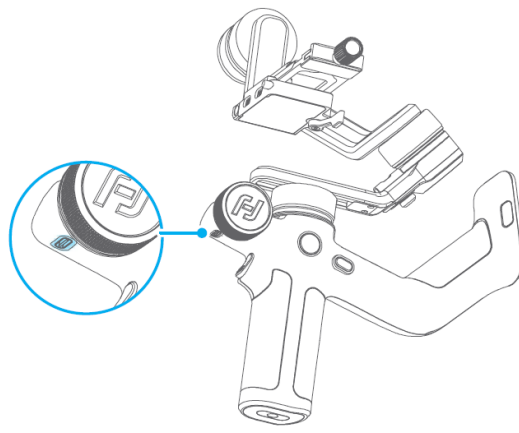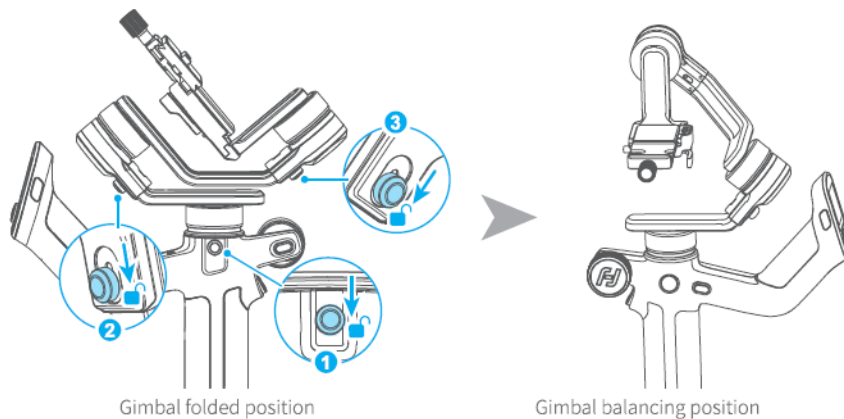| iOS		Android	
Feiyu SCORP	Feiyu ON	Feiyu SCORP	Feiyu ON

Getting started

Charging

Please fully charge the battery before power on the gimbal for the first time. Charging with USB 2.0 to Type-C cable, supports quick charge.

Adjust the gimbal to gimbal balancing position

The gimbal is folded by default, please unlock all the three axes and adjust the gimbal to gimbal balancing position, and then lock the three axes.

Gimbal folded position   Gimbal balancing position

Mounting the Camera/Smartphone
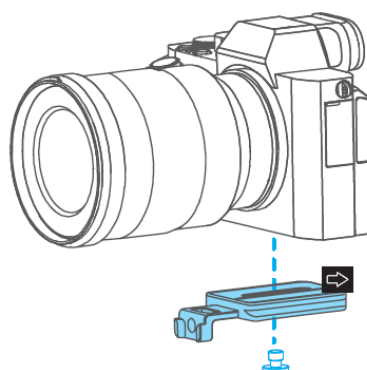
Take camera mounting as an example.
Before mounting the camera, make sure the camera is ready for shooting (Install the camera lens, and the lens cover should be removed, the memory card and battery needs to be inserted to the camera, and battery is fully charged), complete all the steps which mentioned in chapter "2. Getting started" and the gimbal is adjusted to gimbal balancing position. Make sure the gimbal is powered off or in sleep mode before mounting the camera.

Attach the quick release plate

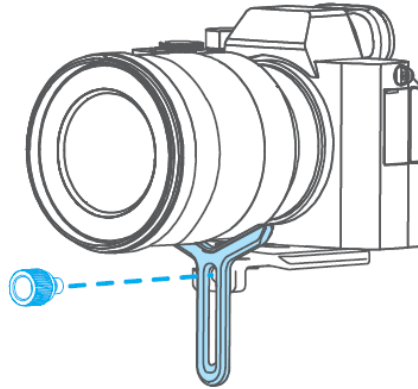Attach the quick release plate to camera by tightening the screw.
If the camera doesn't have the 1/4-20 inch screw hole, please put the camera on mount adapter, which has 1/4-20 inch screw hole, and then mount it in above steps.
Users can mount smartphone into the optional smartphone holder, and follow the steps above to install it on the gimbal.
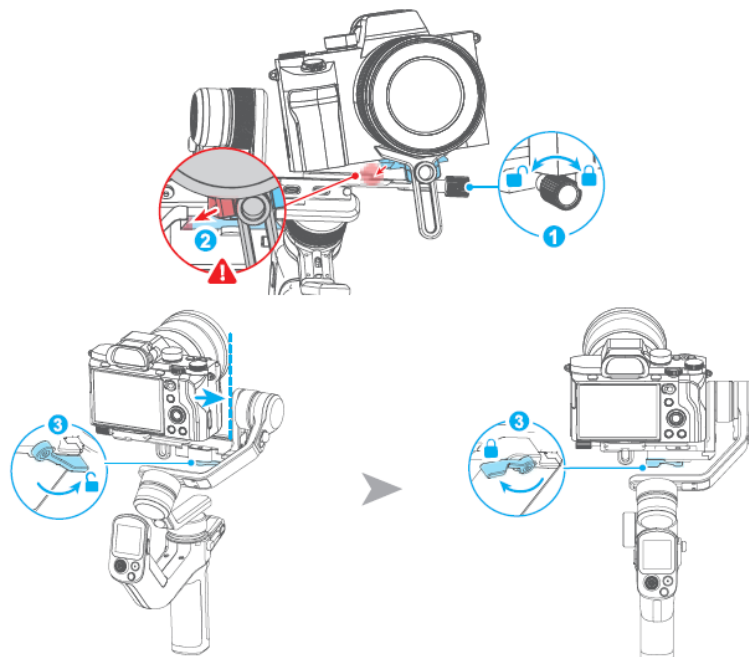
Install lens holder (Optional)

Install the lens holder on the quick release plate if needed, the rubber of the lens holder must be directly under the lens. It is recommended to use the lens holder when using a long or heavy lens.

Mount camera on gimbal

Unlock the quick release plate safety lock CD, install the plate with the mounted camera into the slot@ in direction of icon, lock the safety lock CD once the camera is roughly balanced. It is recommended to push the camera against the tilt axis. Unlock the slider lock® to move the camera left or right according to camera's width, then lock the slider lock®.

Gimbal Balancing

Please balance the gimbal before shooting. Take camera mounting as an example. Make sure the camera and lens are ready for shooting, and the gimbal is powered off or in sleep mode before balancing. It is recommended to hold up the camera first, then move the slide arm, cross arm and vertical arm.
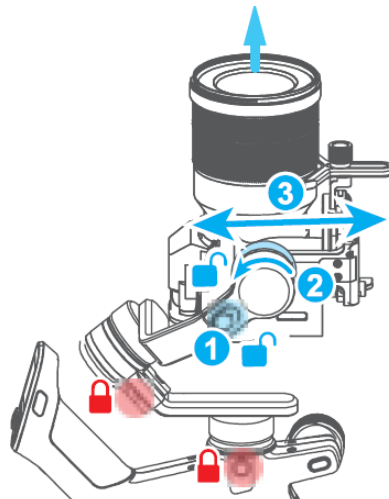
Tutorial Videos
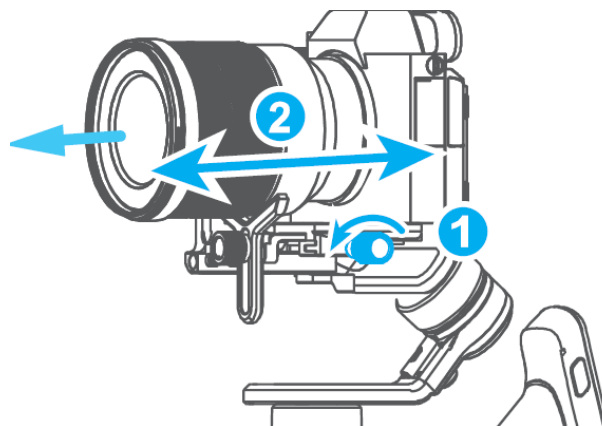
Balancing the tilt axis

Balancing the vertical tilt

1. Unlock the tilt lock G), and loosen the slide arm lock knob@.
2. Rotate the tilt axis so that the camera lens is pointing upward. Check the direction which the lens tilts to.
3. If the lens tilts to one side, then the camera is that side heavy, move the slide arm® to the opposite direction, until the camera is steady pointing upward.
4. Tighten the slide arm lock knob @while holding the camera.
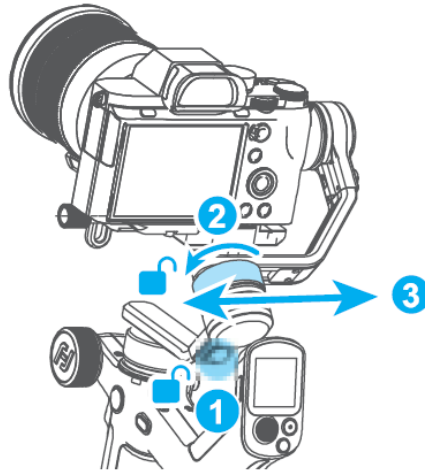
Adjust depth for the tilt axis

1. Rotate the tilt axis so that the camera lens is pointing forward. Check the direction which the lens tilts to.
2. If the lens tilts to one side, then the camera is that side heavy, unlock the quick release plate safety lock G) and then move the quick release plate to the opposite direction, until the camera is steady pointing forward.
3. Lock the quick release plate safety lock G) while holding the camera.

The tilt axis is balanced when the camera is steady while tilted up or down by 45° .
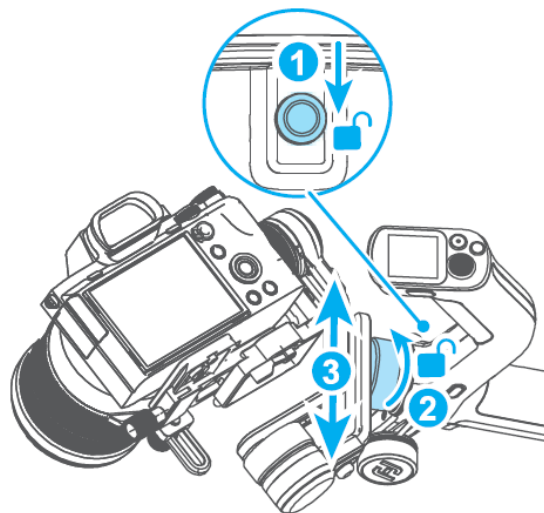
Balancing the roll axis

1. Unlock the roll lock G), check the direction which the camera tilts to.
2. If the camera tilts to one side, then the camera is that side heavy, loosen the cross arm lock knob@ and then move the cross arm to the opposite direction, until the camera can stay still and horizontal to the ground.
3. Tighten the cross arm lock knob@.

The roll axis is balanced when the camera can stay still and horizontal to the ground.

Balancing the pan axis

1. Unlock the pan lock G). Hold the tripod, and tilt the gimbal forward until it is horizontal to the ground.
2. If the camera tilts to one side, then the camera is that side heavy, loosen the vertical arm lock knob @and then move the vertical arm® to the opposite direction, until the camera can stay still and horizontal to the ground.
3. Tighten the vertical arm lock knob@.

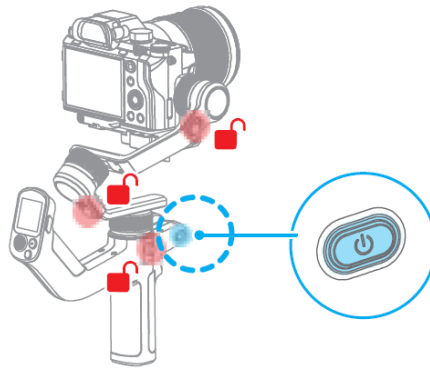The pan axis is balanced when the camera can stay still and horizontal to the ground.

Operation

Power ON/ OFF

Before power on the gimbal, make sure you have balanced gimbal, and unlocked all the three axes. If you haven't unlocked all the 3 axes, gimbal will enter sleep mode to protect itself. Please single tap power button to wake up gimbal after unlocked all the 3 axes.

- Please set motor power first after powering on gimbal for the first time or after changing a new camera/lens.
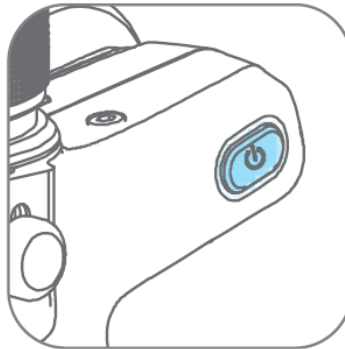
Long press the power button and release it when you hear the beep sound to power on/ off.

Button operation

- **Power button**

  Long press: Power on/off Single tap: Wake up Double tap: Enter sleep mode

- **Trigger button**

  Double tap: Reenter

  Triple tap: Enter/Exit selfie mode (Pan axis turn 180°)

  Press and hold: PTF(Release to exit)
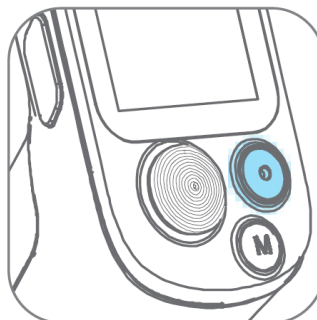
  You can custom the function via APP

- **Shutter button***

  Press halfway: Focus

  Single tap (Fully): Start/stop

  Long press (Fully): Take photo

- **FI button**

Double tap: Enter/Exit portrait mode

- Multifunction knob

  Turn:

  1. Control the movement of the roll, tilt and pan axes.
  2. Control focus.
  3. Control focus motor.
  4. Adjust the parameter in the touch screen.

     Set current control option as option knob or or (3) through long press the f) unction switching button or swipe up in home page.

- **Mode button**

  Single tap: Pan follow/Lock mode (Switch in turn) Double tap: PTF
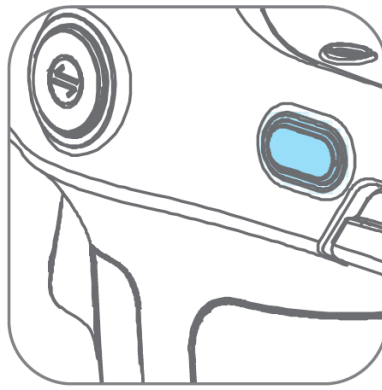
  Triple tap: FPV

- **Joystick**

  Push: Control the movement of the tilt and pan axes.

- **FPV button**

  Single tap: Enter/Exit FPV mode
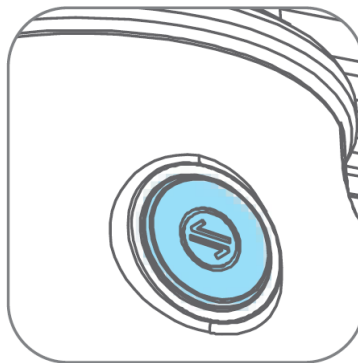
- **F2 button**

  Single tap:

  1. Lock/Unlock screen (In home page)
  2. Return to home page (In other pages)

- **Knob function switching button**

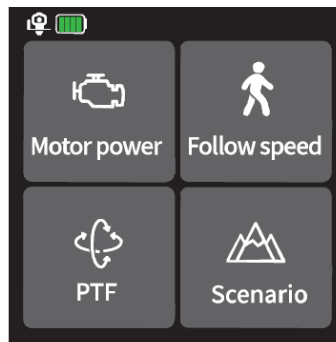 Single tap: Switch the control object while controlling the movement of the 3 axes (Tilt/ Pan/ Roll)

  Long press: Switch the control options of Multifunction knob in turn (The movement of the 3 axes/Electronic focus/Focus motor)

*Need to connect with camera. Refer to the camera compatibility list on **https://www.feiyu-tech.com/feiyu-scorp-mini/**
More button function introductions please refer to the user manual.

Touch screen operation

Home page

Motor power
Use auto tune to adjust the motor power automatically, or adjust motor power for each axis manually.

Follow speed
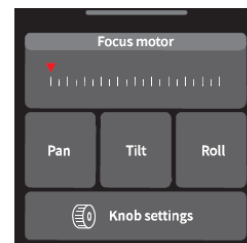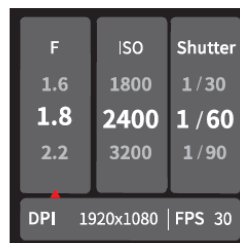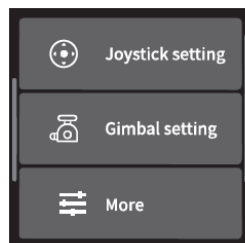User can select different gimbal follow speed profiles, or custom follow speed.

Follow mode
Select gimbal follow mode

- PF: Pan follow, only the pan axis follows the movement of user's hand.
- PTF: Pan and tilt follow, where both the pan and tilt axes follow the movement of user's
- FPV: Pan, tilt and roll follow, where all 3 axes follow the movement of user's hand.
- Lock: All 3 axes do not follow the movement of user's hand, gimbal keeps the direction of the camera fixed.
- FFW: Flash follow, where all 3 axes follow the movement of user's hand in high follow speed.

Scenario
Select usage scenario.

- **Swipe from right to left**

  Joystick, gimbal and more settings
- **Swipe from left to right**

  Shooting parameters settings
- **Swipe up**

  Multifunction knob settings
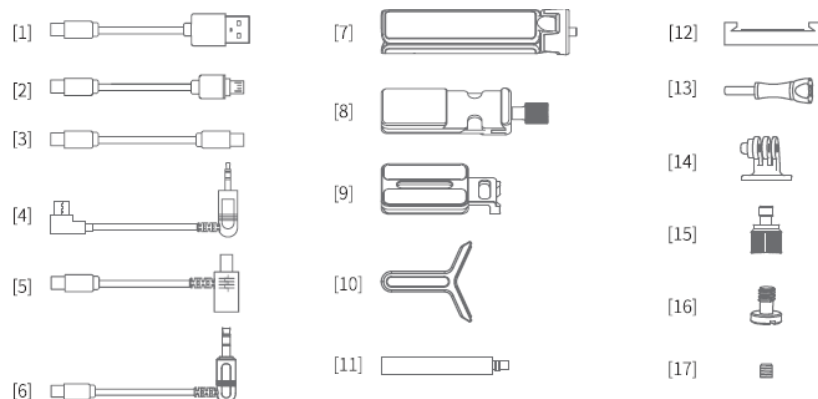
Return to previous menu: Swipe to right

Specifications

- Product name Feiyu SCORP-Mini 3-Axis Camera Hand held Stabilizer
- Product model Feiyu- FI

- Max. Tilt Range + 170° ~ -45°
- Max. Roll Range +40° ~ -40°
- Max. Pan Range 360°
- Weight About787g
- Payload Capability About 1200g (Well-balanced)
- Battery life 13 Hours
- Battery 2500mAh
- Operating Voltage 6.8V-8.4V
- Compatible

  Mirrorless camera and pocket camera (Sony, Canon, Nikon, Panasonic ,etc. Please download the detailed manual for the specific compatible camera and lens), action camera like GoPro, and smartphone (Width: 52mm~82mm, thickness:< 8.9mm)

Accessories

1. USB 2.0 to Type-C
2. Type-C to Micro(A03)
3. Type-C to Type-C (CO2)
4. Type-C to TRS2.5 (T02)
5. Type-C to Multi Sony shutter cable
6. Type-C to 2.5mm Panasonic shutter cable (DC2.Smm)
7. Tripod
8. Fixed plate slider
9. Quick release plate
10. Lens holder
11. Focus motor support rod
12. Smartphone holder
13. Long thumb screw
14. GoPro adapter
15. Lens holder screw
16. Camera fixed screw
17. Fixed screw for support rod

Documents / Resources

FeiyuTech SCORP Mini [pdf] User Guide
SCORP Mini, SCORP