FINECO

AGES 14+

INSTRUCTION MANUAL

FX-27A/E

Hovering via Barometric / Optical Flow Positioning Version General Manual

6-Axis Gyro System 2.4GHz 5Channel 360°Flips

Please read the Instruction Manual carefully before using. Please keep it for your further reference.

Matters Needing Attention

1.This product could be flied indoor or outdoor (wind force is less than beaufort force 4). In order to avoid crashing or damage, please fly this product in barrier-free environment.

2. This product is equipped with precision electronic parts. To ensure optimum performance, maintain dryness and keep away from moisture, flame or strong light.

3.To ensure safety, do not use other factory's li-poly batteries. Different factory's battery may have different electronic parts and setting.

4.To ensure safety and avoid short circuit, battery swell and deformation, even explosion, do not use other factory's A/C adaptor for charging.

5.Please ensure quadcopter's battery is full, all blades are tight and no dimage during your preflight.

6.Do not fly in the no fly zone according to your local law and regulations. Keep to fly far away from obstacles and crowd.

7.To ensure this product's structural safety, do not disassemble the unit or assembled optionally. Any refitted or repair must use the included spare parts.

8.This product's blade in high speed during worktime. To ensure flight safety, fly in open ground, keep a safe distance and do not touch any part of quadcopter during flight.

9. **The minimum separation distance between the user and the device shall be 20cm.**

10.Read this instruction manual carefully before flight.

1. FUNCTIONS IN"RODUCTION

❶ FX-27A: Hovering via Barometric Version

A built-in barometer helps with more precise auto Hovering, allowed quadcopter looks like it was locked in a position under no any action operation.

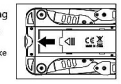
❷ FX-27E: Optical Flow Positioning Version

Use the built-in camera to track the move of image's light spots and dark spots, then calculate out the point's move distance relative to quadcopterats speed and lock quadcopter's position. Ir short, optical flow positioning system helps quadcopter's auto setting height with more precise.

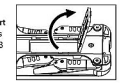
2. PARTS LIST

3. PRE-FLIGHT CHECKING LIST

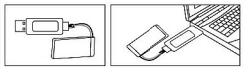
3.1 Li-poly battery charging



①Pull the battery door to left as right picture show, open quadcopter's battery door to take out the battery.



②Link the battery's charging port with USB cable, plug USB cable's charging port to computer's USB port or adaptor with USB port.



▲USB cable's red indicator lights on means battery is charging, light off means battery was fully charged. Charging time is about 120-150 mins. Fly time is about 8 mins.

▲Long time no use this product, please ensure battery with 50% power to keep battery life.

To keep battery with 50% power, charge it 60-75 mins.

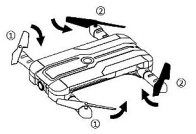
3.2 Download Software

Use smart phone to scan the QR code for download the software, "RC_3D_VR" APP support for Android, Android (Google APP) and IOS.

Foreign Android QR Code | Domestic Android QR Code | ios QR Code

3.3 Drone Arms Folding Order

Fold the forearms near camera first then back arms. To open arms, pull them in opposite direction.

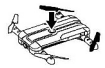


4. START UP AND SHUT DOWN

4.1 Start Up

① Open drone's battery door, link the fully charged battery and put it into the battery case, close the battery door.

② Press the power switch with two seconds to start drone, its LED light on top will light on then the four LED lights at the bottom will keep flashing.



③ Go to the setting button in your smartphone, open Wi-Fi, lock into the "RC_3D_VR-******" .

④ Click to link till you see "Linked" , means paired.

A: Go to settings
B: Open Wi-Fi
C: Connect "RC_3D_VR_******"

⑤ Open the downloaded APP "RC_3D_VR" , click the icon enter control menu and smartphone with real-time image

A: Open "RC_3D_VR" APP

B: Click "Play" enter control interface

ⓒClick " " button back to control interface

Click " " button to open the hidden buttons.

⑦ Click " " button into gyroscope calibration. Drone's four LED change from flashing to keep light on.

Click " " button to enter Hovering control interface.

⑧ Click " " button, drone fly up automatic and hover at a height.

Or pull both left and right joysticks to inside corner, then release them, drone's blades start rotating in low speed. When push the accelerator joystick, fly drone upper, after release the joystick, drone hover at this position.

4.2 Shut Down Step

▲To keep pulling the accelerator joystick to lowest position, drone will land and blades stop rotation.

▲Or click " " button, drone also land and blades stop rotation. When drone is going to crash something, click " " button to emergency stop.

▲Or landing drone to your hand, catch drone's bottom and turn it 180°, drone also could be emergency stop.

5. APP MENU INTRODUCTION

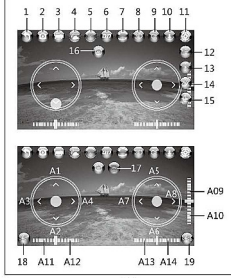
① HELP: Helping list, click for checking the APP operation menu.

② SETTING: Parameter settings, click into set APP's transmission parameters and control menu.

③ PLAY: Operation menu, click into enter control interface.

④ MR: Virtual game, click into enter interactive game.

6. CONTROL MENU INTRODUCTION



1.Return
2.Take photo
3.Take video
4.Photo & video pla/back
5.Speed: Slow 30% / Medium 60% /Fast 100%
6.Show / Hide joystick interface
7.Reverse the screee
8.3D VR
9.Custom routes
10.Voice control (No enabled)
11.Show / Hide setting interface
12.Hovering
13.Headless mode
14.Gravity sensor mode
15.Gyro Calibration
16.3D flips
17.One key emergency stop
18.One key take oF
19.One key landing

A1/A2: Ascend / Descend
A3/A4: Turn Left / Turn Right
A5/A6: Forward/Backward
A7/A8: Left/Right sideward fly
A9/A10: Pitch forward/ backward fine-tune
A11/A12: Left/Right rotating fine-tune
A13 Z/A14: Left/Right side-fly fine-tune

7. CONTROL MENU INTRODUCTION

(1) Return
Click " " button, exit Operation Menu, back to APP main control menu.

(2) Take photo
Per click " " button one time, drone's camera take a photo.

(3) Take video
Click " " button once to start taking video and click " " button again to stop and save video.

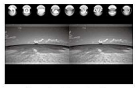
(4) Photo & video playback
Click " " button for check all the saved pictures and videos.

(5) Speed
Drone with three speed, per click " " button one time to switch one speed, slow speed 30% / medium speed 60% / fastest speed 100%.

(6) Show / Hide virtual rocker
Click " " button once to open and show virtual rocker, click " " button again to hidden virtual rocker.

(7) Reverse the screen
During flight time, if the impact of the phone screen is reverse, click " " button to reverse it correct.

(8) 3D Display
Consumer could purchase regarding VR product to 3D image experience, click " " button, smartphone become two parts.



VR glasses wear and lens focal length adjustment could be refer to the included manual.

(9) Custom routes
During flight time, click " " the custom routes button to draw routes, then drone will fly according to the route.

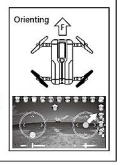
(10) Voice control (No enabled)
(11) Show / Hide joystick interface
Click " " button, the scan will show or hide the joystick interface.

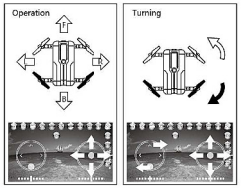
(12) Hovering
Click " " button to enter or exit setting height control menu.

Without Hovering interface | Hovering interface

(13) Headless Mode

▲Start and settings: After drone finish signal pairing, no matter drone land on the ground or hovering in the sky, just need to keep drore's front (camera position is front) same as smartphone's operation interface, then press " " button to enter headless mode. The LED lights at the bottom of drone will light on and keep flashing.





In headless mode, with diagonal LED indicators' flashing, no matter which direction the head (same side as camera) faces to, now the smartphone's front is drone's backside. Pull down the direction rod and quadcopter will fly back, push it up and quadcopter will fly farther.

▲Exit Headless Mode: Press " " button again to exit headless mode. After exit headless mode, Drone's LED indicators keep light on.

(14) Gravity sensor control mode
Click " " button, smartphone's screen was switched to Gravity Sensor Mode. In gravity sensor mode, swing the phone to control drone's direction and flight.

(15) Gyroscope Calibration
▲Click " " button before flight to calibrate gyroscope and ensure drone fly smooth.
▲When the quadcopter flies defected from crash, it may need recalibration by placing it on the plane ground, click " " button to calibrate the gyroscope.

(16) 3D flips
▲Left flip
Click " " button and pull the right rod to left, drone will flip 360° to left.

▲Right flip
Click " " button and pull the right rod to right, drone will flip 360° to right.

(17) One Key Emergency Stop
Click " " button, drone's blades will stop rotation and land on the ground.

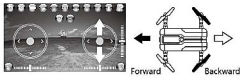
(18) One key Take Off
Click " " button, drone auto take off and hover at a height.

(19) One Key Landing
Click " " button, drone auto land on the ground and all blades stop rotation.

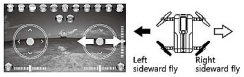
▲A1/A2: Ascend/Descend
Pull left rod up or down, drone fly up or down.

▲A3/A4: Turn Left/Turn Right
Pull left rod to left or right, drone turn left or right.

▲A5/A6: Forward/Backward
Pull right rod to up or down, drone fly forward or backward.



▲A7/A8: Left/Right sideward fly
Pull right rod to left or right, drone fly to left side or right side.



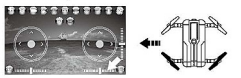
▲A9/A10: Forward/Backward fine-tune
When drone fly forward auto, click backward fine-tune icon for correcting.

When drone fly backward auto, click forward fine-tune icon for correcting.

▲A11/A12: Left/Right turn fine-tune
When drone turn left auto, click right turn fine-tune icon for correcting.

When drone turn right auto, click left turn fine-tune icon for correcting.

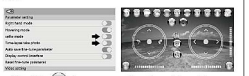
▲A13/A11: Left/Right side-fly fine-tune
When drone fly to left side auto, click right side-fly fine-tune icon for correcting.



When drone fly to right side auto, click left side-fly fine-tune icon for correcting.

8. Add function

click main interface into SETTING menu to open options' selfie mode','Time-lapse take photo' then back to PLAY interface, here in the middle of the control interface has two relevant icon.



Selfie: click" " button,must adjust the position of the quadcopter first, make sure quadcopter's back side is face to operator,then click" " button,the quadcopter will rotate 180° and camera face to operator automatically, then catch three photo.
Delay photo:click" " button,quadcopter will delay three second and catch target then take picture.

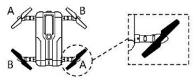
9. MR GAME

Click the "MR" manua in main interface, enter MR game interface. Swing the phone to aim the flying aircrafts, click the gun to shoot flying aircrafts.

Hitting one target gets a point. Continue click the gun for continuous firing bullets.

10. INSTALL BLADES

When drone's blade damage after crashing, please change it with the included spare parts.



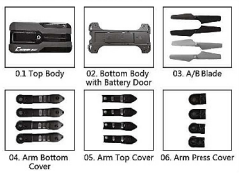
The blades shall be installed to designated location. Blade's number should be same as the number on drone. Or drone may not fly up.

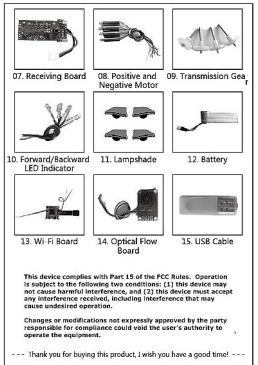
Install blades: Hold the blade's central location to aim at the motor shaft and press down to lock. Be careful do not damage or deform the blades.

11. TROUBELE SHOOTING

Problem	Reason	Solution
The quadcopter did not respond	1. Signal matching failed.	1. Re-matching again.
	2. Quadcopter or transmitter low voltage.	2. Fully charge battery or replace the transmitter batteries.
The quadcopter shake.	Blade impact deformation	Righting blades or replacing blades.
Failed flips	1. Improper operation	1. Checking the instruction manual again.
	2. Quadcopter low power.	2. Fully charged the battery.
The quadcopter response delay	Over control distance.	Do not fly over of 33 meters.

12. SPARE PARTS INCLUDED





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.

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

--- Thank you for buying this product, I wish you have a good time! ---