FAKJANK F417

FAKJANK F417 Drone with Camera

User Instruction Manual

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1. Introduction to Your FAKJANK F417 Drone

The FAKJANK F417 Drone is a versatile quadcopter designed for both beginners and experienced pilots. It features a 1080P HD dual camera with 90° electric adjustment, offering clear aerial photography and video. Equipped with RGB lights, a modular battery, and optical flow positioning, the F417 ensures stable and enjoyable flight experiences. This manual provides essential information for safe operation, setup, and maintenance of your drone.



Image: The FAKJANK F417 Drone, showcasing its sleek design, remote controller, and a smartphone displaying the live camera feed.

2. Package Contents

Please verify that all items are present in your package:

- FAKJANK F417 Drone
- Remote Control
- Modular Battery (1 included, additional may be purchased separately)
- USB Charging Cable
- Spare Propellers
- Propeller Guards
- Screwdriver

- User Manual (this document)
- Portable Carrying Bag

3. Safety Precautions

To ensure safe operation and prevent damage, please read and adhere to the following guidelines:

- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only the provided charging cable and original batteries. Do not overcharge or puncture batteries. Discontinue use if batteries are damaged or swollen.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Always turn off the drone before handling propellers.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Age Recommendation:** This drone is suitable for users aged 14 and above. Adult supervision is recommended for younger users.
- **Pre-Flight Check:** Before each flight, ensure the drone and remote control batteries are fully charged, propellers are securely attached, and the drone is calibrated.

4. Setup Guide

4.1 Charging the Drone Battery

The F417 drone uses a modular battery for convenience. To charge:

1. Remove the modular battery from the drone.
2. Connect the USB charging cable to the battery.
3. Plug the other end of the USB cable into a 5V/1A USB power adapter (not included).
4. The indicator light on the battery will show charging status (refer to battery instructions for specific light patterns). Charging typically takes 60-90 minutes.
5. Once fully charged, disconnect the battery from the cable.



Image: The modular battery being charged via a USB cable, highlighting its easy-to-use design.

4.2 Installing Remote Control Batteries

The remote control requires 1 AA battery (included). Open the battery compartment on the back of the remote and insert the battery, ensuring correct polarity.

4.3 Attaching Propeller Guards (Optional)

For added protection, especially for beginners, attach the propeller guards to the drone's arms. Align the guards with the designated slots and gently push until they click into place.



Image: The FAKJANK F417 Drone with its protective frame installed, also showing the integrated headlights.

4.4 Drone and Remote Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone lights will stop flashing and become solid, indicating successful pairing.

4.5 App Download and Connection

Search for the official FAKJANK drone app (refer to packaging or quick start guide for app name) on your smartphone's app store (iOS/Android). Download and install the app. Connect your smartphone to the drone's Wi-Fi network (usually named "FAKJANK-F417-XXXX"). Open the app to view the live camera feed and access advanced controls.

5. Operating Your FAKJANK F417 Drone

5.1 Basic Flight Controls

- **One-Key Takeoff/Landing:** Press the dedicated button on the remote or in the app to automatically take off or land.
- **Throttle (Left Joystick Up/Down):** Controls altitude.
- **Direction (Right Joystick):** Controls forward, backward, left, and right movement.
- **Yaw (Left Joystick Left/Right):** Rotates the drone left or right.



Image: Visual representation of key flight functions: One-Key Takeoff/Landing, Headless Mode, Altitude Hold, and Tap Fly.

5.2 Advanced Features

- **Headless Mode:** Activates a mode where the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Altitude Hold:** The drone automatically maintains a stable altitude, making it easier to control horizontal movement and capture steady footage.
- **3D Flips:** Press the 3D flip button and move the right joystick in any direction to perform an aerial flip. Ensure

sufficient altitude before attempting.

- **Tap Fly:** In the app, tap a point on the map, and the drone will fly to that location.
- **Speed Modes:** The F417 offers multiple speed settings (e.g., low, medium, high) to suit different skill levels and flight environments. Adjust using the speed button on the remote.



Image: The FAKJANK F417 Drone executing a 360-degree flip and illustrating its three distinct speed modes.

5.3 Camera Operation

The F417 drone is equipped with a 1080P HD dual camera, featuring a main front camera and a bottom optical flow camera. The front camera's angle can be adjusted by 90° electrically via the remote control or app.

- **Photo/Video Capture:** Use the dedicated buttons on the remote or within the app to take photos or start/stop video recording.
- **Angle Adjustment:** Use the camera angle adjustment button/dial on the remote or the corresponding control in the app to change the front camera's vertical angle during flight.
- **Gesture Control:** The drone supports gesture control for photo and video. Perform specific hand gestures in front of the camera to trigger capture (refer to app instructions for specific gestures).



Image: Close-up of the FAKJANK F417 Drone's 1080P HD advanced camera, highlighting its 90-degree adjustable angle and 110-degree field of view, with insets showing views from the main and bottom cameras.



Image: A user demonstrating gesture control, showing how hand signals can command the FAKJANK F417 Drone's camera functions.

6. Maintenance

6.1 Cleaning

Wipe the drone and remote control with a clean, dry, soft cloth. Do not use liquid cleaners or solvents.

6.2 Battery Care

- Store batteries in a cool, dry place, away from direct sunlight and heat.
- Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- If the drone will not be used for a long time, remove the batteries from both the drone and the remote control.

6.3 Propeller Replacement

If propellers are damaged, replace them with the provided spare parts. Ensure you match the correct propeller (A or B) to the corresponding motor arm as indicated on the drone.

7. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired; low battery; interference.	Re-pair drone and remote; charge batteries; move to an area with less interference.
Drone flies erratically or drifts.	Not calibrated; damaged propeller; strong wind.	Perform gyroscope calibration; replace damaged propellers; fly in calm conditions.
Camera feed is blurry or not visible.	Poor Wi-Fi connection; camera lens dirty; app issue.	Ensure strong Wi-Fi connection; clean camera lens; restart app and drone.
Drone has short flight time.	Battery not fully charged; old battery; cold weather.	Fully charge battery; consider replacing old batteries; avoid flying in very cold temperatures.
Drone is too fast or uncontrollable.	High speed mode selected; inexperienced pilot.	Switch to a lower speed mode; practice in an open, safe area; ensure proper calibration.

8. Specifications

Feature	Detail
Brand	FAKJANK
Model Name	F417
Item Model Number	FJMY25011003
Product Dimensions	20 x 15 x 5 cm
Item Weight	147 g
Video Capture Resolution	1080p HD
Camera Adjustment	90° Electric Adjustment
Connectivity Technology	Wi-Fi (FPV)
Included Components	Drone, Remote Control, Battery, USB Charging Cable
Remote Control Batteries	1 AA battery (included)

9. Warranty and Support

For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official FAKJANK website. If you encounter any issues or require technical assistance, please contact FAKJANK customer support through the contact information provided on the product packaging or their official website. Please have your model number (F417) and purchase details ready when contacting support.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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Answered questions about this manual

Is it normal for the LEDs under the rear arms of the FAKJANK F417 drone to glow red?

Yes, it is normal for the LEDs under the rear arms of the FAKJANK F417 drone to glow red. In the drone industry, red lights are standard indicators for the rear of the aircraft...

Read full answer