FERIETELF B15

FERIETELF B15 Foldable Drone with 4K Camera User Manual

Model: B15

1. Introduction

This manual provides essential information for the safe operation and maintenance of your FERIETELF B15 Foldable Drone with 4K Camera. Please read it thoroughly before operating the drone to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

2. Product Overview

The FERIETELF B15 drone is a versatile quadcopter designed for ease of use and aerial photography. It features a foldable design for portability, a 4K adjustable camera, and a powerful brushless motor system.

2.1 Package Contents

The standard package includes the following items:

- FERIETELF B15 Drone
- Remote Controller
- Rechargeable Batteries (x2)
- USB Charging Cable
- Spare Propellers (x4)
- Propeller Guards (x4)
- Screwdriver
- User Manual
- Carrying Case



Figure 2.1: Overview of the FERIETELF B15 drone package contents. This includes the drone, remote controller, two batteries, USB charging cable, spare propellers, propeller guards, and a screwdriver, all neatly organized in a carrying case.

2.2 Key Features

- **All-in-One Functionality:** Includes One-Touch Takeoff/Landing, Optical Flow Positioning, Altitude Hold, 3D Flips, Headless Mode, Speed Adjustment, Gesture Photo Capture, and Waypoint Navigation.
- **Powerful Brushless Motor System:** Durable alloy brushless motors provide faster, quieter, and more powerful flight performance with enhanced wind resistance.
- **Adjustable HD Imaging System:** A 90° adjustable 4K dual-camera setup (remote/app controlled) for aerial photography and video.
- **Extended Flight Time:** Dual upgraded batteries provide up to 30 minutes of flight time.
- **Portable Design:** Foldable drone and reinforced carrying case for convenience.



Figure 2.2: Visual representation of the FERIETELF B15 drone's key features, including various flight modes and camera capabilities.

3. Setup

3.1 Unboxing and Unfolding

Carefully remove all components from the carrying case. Unfold the drone arms until they lock into position.



Figure 3.1: The FERIETELF B15 drone in its unfolded state, ready for battery installation and flight preparation.

3.2 Battery Installation and Charging

Insert a charged battery into the drone's battery compartment. Ensure it clicks securely into place. Use the provided USB charging cable to charge the batteries. The charging indicator will show the charging status.

Figure 3.2: The drone's batteries being charged via a Type-C cable, highlighting the extended flight time and safety features.

3.3 Propeller Guards Installation

For beginners or indoor flights, attach the propeller guards to protect the propellers from damage.

3.4 Remote Controller Setup

Extend the phone holder and antennas on the remote controller. Ensure the remote controller batteries are installed and charged.



Figure 3.3: Detailed diagram of the remote controller functions.

3.5 App Installation and Connection

1. Scan the QR code in the Quick Start Guide or User Manual to download the 'Fly Plus' app.
2. Turn on your smartphone's Wi-Fi and connect to the drone's Wi-Fi network (e.g., 'Wifi-4K-XXXXX').
3. Open the 'Fly Plus' app. Grant necessary permissions for camera and photo album access.

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Video 3.1: This video demonstrates the unboxing, drone and remote pairing process, and connecting your smartphone to the drone via the app. It also shows basic flight functions like one-key takeoff and 3D flips.

4. Operating Instructions

4.1 Pre-Flight Checklist

- Ensure drone and remote controller batteries are fully charged.
- Propellers are correctly installed and undamaged.
- Fly in an open, wind-free area, especially for the first flight.
- Ensure your smartphone is securely mounted to the remote controller.

4.2 Pairing and Calibration

1. Place the drone on a flat, level surface.
2. Power on the drone, then power on the remote controller. The drone's LED lights will blink.
3. Push the left joystick up and then down. The drone's LED light will change from blinking to a constant state, indicating successful pairing.
4. Simultaneously control both joysticks to the bottom-left and bottom-right positions respectively. The drone's LED will blink again and then light up constantly, indicating horizontal calibration is complete. This leveling calibration should be done before every takeoff to reduce flight loss probability.

4.3 Takeoff and Landing

- **One-Key Takeoff:** Press the One-Touch Takeoff button on the remote controller. The drone will automatically ascend and hover at a stable altitude.
- **One-Key Landing:** Press the One-Touch Landing button. The drone will automatically descend and

land.

4.4 Basic Flight Controls

Use the joysticks on the remote controller to control the drone's movement:

- **Left Joystick:** Controls altitude (up/down) and rotation (left/right).
- **Right Joystick:** Controls forward/backward and left/right sideward flight.

4.5 Advanced Flight Modes

- **Speed Adjustment:** Adjust flight speed (low, medium, high) using the speed button on the remote. Higher speeds increase maneuverability in windy conditions.
- **3D Flips:** Perform acrobatic flips using the dedicated 3D Flip button.
- **Headless Mode:** In this mode, the drone's orientation is irrelevant; it will move relative to the pilot's position.
- **Optical Flow Positioning & Altitude Hold:** These features provide stable hovering and precise flight control.
- **Waypoint Navigation (Tap Fly):** Use the app to draw a flight path, and the drone will follow it automatically.
- **Gesture Photo Capture:** Perform specific hand gestures to trigger photo or video recording via the app.



Figure 4.1: The FERIETELF B15 drone showcasing intelligent flight features such as Path Flying, One Key Take-off/Landing, and multiple speed modes.

4.6 Camera Operation

- **Adjustable Camera:** The 4K camera can be adjusted 90° via the remote or app to capture different angles.
- **Photo/Video Recording:** Use the dedicated buttons on the remote or the app interface to take photos or record videos.
- **Real-time Transmission:** View live footage from the drone's camera directly on your smartphone via the app.



Figure 4.2: The 4K Optical Flow Dual Camera system of the B15 drone, illustrating its 90-degree remote adjustability and high-definition capture capabilities.

5. Maintenance

5.1 Cleaning

Regularly clean the drone body, propellers, and camera lens with a soft, dry cloth. Avoid using liquids or solvents that could damage the components.

5.2 Storage

When not in use, store the drone and its accessories in the provided carrying case in a cool, dry place. Remove batteries from the drone and remote controller if storing for extended periods.

5.3 Battery Care

Do not overcharge or over-discharge the batteries. Store batteries at approximately 50% charge for optimal longevity. Avoid exposing batteries to extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired correctly.	Repeat pairing and calibration steps.
Drone drifts during flight.	Improper calibration or windy conditions.	Perform horizontal calibration. Adjust speed mode. Fly in calmer conditions.
Poor camera image quality.	Lens is dirty or poor lighting.	Clean camera lens. Ensure adequate lighting.
Short flight time.	Battery not fully charged or aged battery.	Ensure batteries are fully charged. Replace old batteries if necessary.
App connection issues.	Incorrect Wi-Fi connection or app permissions.	Verify Wi-Fi connection to drone. Check app permissions. Restart app and drone.

7. Specifications

- **Brand:** FERIETELF
- **Model:** B15
- **Product Dimensions:** 17.5 x 7.5 x 22 cm
- **Item Weight:** 200 g
- **Video Capture Resolution:** 4K
- **Connectivity Technology:** App-Controlled, Remote-Controlled
- **Special Features:** 360 Degree Flip, Foldable, Lightweight, Speed Adjustment, Optical Flow Positioning, Altitude Hold, Headless Mode, Gesture Photo Capture, Waypoint Navigation, Brushless Motor.
- **Country of Origin:** China

8. Warranty and Support

FERIETELF is committed to providing excellent after-sales service. If you encounter any problems during the flight or operation of your B15 drone, please contact the seller directly. We offer 24-hour technical support to assist you with any issues.

Important Note: The first flight is recommended in an open and wind-free area. Please be careful not to fly too far away to avoid losing control.