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› CHUBORY F89 4K HD Foldable Drone Instruction Manual

CHUBORY F89

CHUBORY F89 4K HD Foldable Drone Instruction Manual

Brand: CHUBORY | Model: F89

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your CHUBORY F89 4K HD Foldable Drone. Please read all instructions carefully before first use and retain this manual for future reference.

1.1 Package Contents

The CHUBORY F89 drone package includes the following components:

- CHUBORY F89 Foldable Drone with 4K HD Camera
- Remote Controller
- 3 x Lithium Ion Batteries
- USB Charging Cables
- Spare Propellers and Screws
- Protective Carrying Case
- Instruction Manual



Figure 1.1: CHUBORY F89 Drone and included accessories, including the foldable drone, remote controller, three batteries, charging cables, spare propellers, and a protective carrying case.

2. SETUP

2.1 Battery Charging

Ensure all drone batteries are fully charged before operation. Connect the provided USB charging cable to the battery and a suitable USB power source. The indicator light will show charging status (e.g., red for charging, green for full). Charging time is approximately 180 minutes per battery. Do not overcharge.

2.2 Drone Assembly

1. Unfold the drone arms carefully until they lock into position.
2. Insert a charged battery into the designated compartment on the drone until it clicks securely.

User Friendly



Simple Operation



Certificates Free



Safe & Durable



Great Fun



Figure 2.1: Hand holding the CHUBORY F89 drone, demonstrating its compact and user-friendly design.

2.3 Controller Setup

1. Extend the phone holder on the remote controller.
2. Place your smartphone securely into the phone holder.
3. Power on the remote controller.

2.4 App Connection

Download the dedicated control application for the CHUBORY F89 drone from your smartphone's app store. Follow the in-app instructions to connect your phone to the drone via Wi-Fi. This connection enables live video feed and access to advanced flight features.

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Video 2.1: Official CHUBORY F89 Drone Operation Guide (New Controller) demonstrating the setup and connection process for the remote controller and smartphone app.

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Video 2.2: Official CHUBORY F89 Drone Operation Guide (New Camera) detailing camera setup and initial configuration.

3. PREPARING FOR FLIGHT

3.1 Pre-Flight Checks

- Ensure all drone arms are fully extended and locked.
- Verify propellers are securely attached and undamaged.
- Confirm drone and controller batteries are fully charged.
- Check for clear airspace, away from obstacles, people, and animals.
- Ensure compliance with local regulations regarding drone operation. The F89 PRO weighs less than 0.55lb, bypassing some FAA requirements.

3.2 Calibration

Before each flight, calibrate the drone according to the app's instructions. This typically involves rotating the drone in specific orientations to ensure accurate sensor readings and stable flight performance.

4. OPERATING THE DRONE

4.1 Basic Flight Controls

- **One-Key Takeoff/Landing:** Use the dedicated button on the controller or app for automatic takeoff and landing.
- **Altitude Hold:** The drone maintains a stable altitude, allowing for easier control.
- **Headless Mode:** Simplifies flight by eliminating the need to orient the drone's front. The drone will move relative to the pilot's position.
- **Speed Adjustment:** Adjust flight speed (e.g., 30%, 60%, 100%) via the controller for different flying conditions.

4.2 Advanced Flight Features

- **Follow Me Mode:** The drone automatically follows the subject detected on the app, maintaining a set distance.
- **Tap Fly (Trajectory Flight):** Draw a path on your smartphone screen, and the drone will automatically follow the designated route.
- **Point of Interest:** Set a central point, and the drone will orbit around it, capturing footage.
- **Auto-Return Function:** The drone can automatically return to its takeoff point in cases of low battery, signal loss, or manual activation.

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Video 4.1: Official CHUBORY F89 Flight Test demonstrating various flight maneuvers and stability.

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Video 4.2: Official CHUBORY F89 Drone Flight Test showcasing the drone's performance and features in action.

4.3 Camera Operation

- **4K UHD Camera:** Captures sharp 4096x3072 images and 2048F8980 footage.
- **Adjustable FOV:** The 100° field of view can be adjusted by 90° through the app or remote control.
- **Gesture Control:** Use specific hand gestures (e.g., peace sign for photos, waving for video) to control camera functions remotely.
- **Live Feed:** View real-time footage on your smartphone via the app.

4K Ultra HD Camera

4K/30fps

130° FOV

F/2.5

90° Adjustable



Resolution for Crisp,
Detailed Footage

4K Camera with F/2.5 Aperture



without



Figure 4.1: Close-up view of the CHUBORY F89's 4K UHD camera, highlighting its adjustable lens.

5. MAINTENANCE

5.1 Propeller Replacement

If a propeller is damaged or deformed, replace it immediately using the provided spare parts and screwdriver. Ensure the correct propeller (A or B) is installed on the corresponding arm as indicated by markings.

6. TROUBLESHOOTING

For common issues such as connection problems, unstable flight, or camera malfunctions, refer to the detailed troubleshooting section in the full instruction manual or the in-app help section. Ensure all batteries are charged and the drone is calibrated correctly.

7. SPECIFICATIONS

Feature	Detail
Brand	CHUBORY
Model Name	F89
Item Weight	153 Grams (5.4 ounces)
Product Dimensions	9.44"L x 7.08"W x 2.95"H
Video Capture Resolution	4K
Video Capture Format	MP4
Connectivity Technology	Wi-Fi
Control Type	App Control
Maximum Range	2650 Feet
Battery Cell Composition	Lithium Ion (3 included)
Optical Sensor Technology	Optical Flow, CMOS

8. WARRANTY AND SUPPORT

The CHUBORY F89 drone comes with a full-year parts warranty, ensuring coverage for manufacturing defects and component failures. Additionally, a 30-day refund policy is in place for customer satisfaction.

For technical support, warranty claims, or any operational inquiries, please refer to the contact information provided in the full product manual or visit the official CHUBORY website.

