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## Blarie F2

# Blarie Falcon F2 Drone User Manual

Model: F2 | Brand: Blarie

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## 1. INTRODUCTION

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Thank you for choosing the Blarie Falcon F2 Drone. This manual provides essential information for the safe operation, setup, and maintenance of your new drone. Please read this manual thoroughly before operating the device to ensure proper use and to maximize your flying experience.



Image 1.1: Blarie Falcon F2 Drone with remote control and carrying case.

## 2. SAFETY GUIDELINES

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Operating a drone requires responsibility. Adhere to the following safety guidelines to prevent injury or damage.

- **Read the Manual:** Always read the entire instruction manual before your first flight.
- **Age Restriction:** This product is intended for adults. Supervise minors if they are permitted to operate the drone.
- **Environmental Awareness:** Fly in open, clear areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Pre-Flight Check:** Ensure all parts are securely attached, batteries are charged, and propellers are undamaged before each flight.
- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- **Maintain Visual Line of Sight:** Always keep the drone within your visual line of sight during flight.
- **Respect Privacy:** Be mindful of privacy laws when using the camera feature.
- **Emergency Stop:** Familiarize yourself with the emergency stop function on the remote control.

## 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- Blarie Falcon F2 Drone
- Remote Control
- 1 x Lithium Ion Battery
- 4 x Spare Propellers (Leaves)
- 4 x Propeller Holders/Guards

- USB Charging Cable
- Screwdriver
- Carrying Bag
- User Manual
- App Manual

### ACCESSORIES INCLUDED



Image 3.1: All included accessories for the Blarie Falcon F2 Drone.

## 4. SETUP

### 4.1. Drone Preparation

The Blarie Falcon F2 Drone features a foldable design for portability. Gently unfold the drone arms until they click into place. Ensure all four arms are fully extended and locked before flight.

## LED NAVIGATION LIGHTS

### NO FEAR OF THE DARK NIGHT, MOVE FORWARD BOLDLY

The drone is equipped with high brightness LED night navigation lights for you to follow unhindered in the dark. The humanized design is convenient for night navigation, direction identification and night flying.



Image 4.1: Folded and unfolded states of the Blaric Falcon F2 Drone.

## 4.2. Battery Installation and Charging

1. Insert the fully charged Lithium Ion battery into the designated compartment on the drone. Ensure it is

securely latched.

2. To charge the battery, connect it to the USB charging cable and plug the cable into a 5V/1A USB power source. The charging indicator will show the charging status.
3. A full charge typically takes approximately 60-90 minutes. Do not leave batteries charging unattended.

### **4.3. Remote Control Setup**

1. Install 3x AAA batteries (not included) into the remote control's battery compartment.
2. Mount your smartphone onto the remote control holder for FPV (First Person View) functionality.
3. Power on the remote control.



*Image 4.2: Blarie Falcon F2 Drone remote control with smartphone holder.*

#### **4.4. App Installation and Connection**

1. Download the official Blarie drone application from your smartphone's app store (iOS/Android). Refer to the 'App Manual' for specific QR codes or search terms.
2. Power on the drone. The drone's Wi-Fi signal will become active.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (e.g., 'Blarie\_Drone\_XXXX').
4. Open the Blarie drone app. The app should automatically connect to the drone, displaying a live video

feed.

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Flight Controls

Familiarize yourself with the remote control layout and functions:

- **Power On/Off:** Press the power button on the drone and remote control.
- **Pairing:** After powering on both devices, push the left joystick up and then down to pair. The drone's lights will become solid.
- **One-Key Take-off/Landing:** Press the dedicated button on the remote control or within the app for automatic take-off or landing.
- **Altitude Hold:** The drone maintains a stable altitude automatically, allowing for easier control.
- **Directional Control:** Use the right joystick to control forward, backward, left, and right movement. Use the left joystick for ascent, descent, and rotation (yaw).

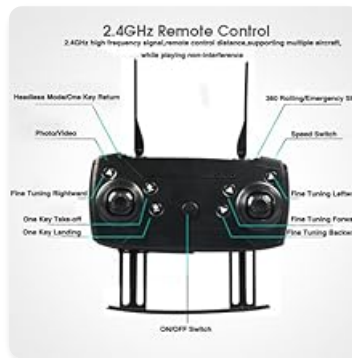


Image 5.1: One-Key Take-off/Landing feature.

### 5.2. Flight Modes and Speed

- **Headless Mode:** In this mode, the drone's orientation is irrelevant. It will move relative to the pilot's position, making it easier for beginners.
- **Speed Modes:** The drone offers 3 adjustable speed modes (30%, 60%, 90%) to suit different skill levels and flying conditions. Adjust via the remote control.



Image 5.2: Three adjustable speed modes for the Blarrie Falcon F2 Drone.

### 5.3. Camera Operation

The Blarrie Falcon F2 Drone is equipped with a 4K camera and a 3-axis gimbal stabilizer for capturing high-

quality photos and videos.

- **Photo/Video Capture:** Use the dedicated buttons on the remote control or the app interface to take photos or start/stop video recording.
- **Real-time Image Transmission (FPV):** The drone transmits live video footage to your connected smartphone via Wi-Fi, allowing for a first-person view during flight.

## REMOTE CONTROL APPLICATION

# REAL-TIME IMAGE TRANSMISSION

Control your drone from your cell phone. Stable flight, aerial photography and HD videos anytime, anywhere.



*Image 5.3: Real-time image transmission via smartphone application.*

### 5.4. Special Features

- **Waypoint Flight:** Through the mobile application, you can draw a custom flight path on your screen. The drone will automatically follow this path.



Image 5.4: Waypoint flight path feature.

- **Gravity Sensor Control:** By enabling this feature in the app, you can control the drone's movement by tilting your smartphone.

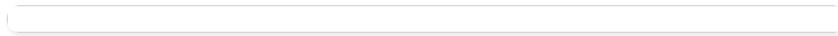


Image 5.5: Gravity sensor control via smartphone.

- **360° Flips:** Execute impressive aerial acrobatics with a single button press on the remote control.



Image 5.6: Drone performing a 360-degree flip.

- **LED Navigation Lights:** The drone is equipped with high-brightness LED lights for improved visibility during night flights and direction identification.

GRAVITY SENSOR  
**DEEP FLIGHT EXPERIENCE**

By shaking the phone back and forth, left and right, you can control gravity and get a deeper flight experience.



ACROBATICS ROLL  
**360° ONE-BUTTON ROTATION**

360° rotation with one button, challenges different perspectives and satisfies players' needs. It can be upside up, upside down, forward and backward, roll left and right.



Image 5.7: Drone with LED navigation lights for night flying.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Blarie Falcon F2 Drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Propeller Inspection and Replacement:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the provided screwdriver and spare parts. Ensure propellers are installed correctly (A and B types).
- **Battery Care:** Store batteries in a cool, dry place. Do not fully discharge batteries for extended periods. Charge them to about 50-60% for long-term storage.
- **Motor Care:** Keep motors free from dust and debris. Avoid flying in sandy or dusty environments.

## 7. TROUBLESHOOTING

If you encounter issues with your drone, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Drone does not take off or is unstable.	Low battery, propellers damaged/incorrectly installed, drone not paired, gyroscope not calibrated.	Charge battery, replace damaged propellers, ensure correct propeller installation, re-pair drone and remote, perform gyroscope calibration (refer to app manual).
Short flight time.	Battery not fully charged, old/degraded battery, aggressive flying.	Ensure battery is fully charged, consider purchasing a new battery if performance degrades significantly, fly more conservatively.
No FPV video feed on smartphone.	Not connected to drone's Wi-Fi, app not open, Wi-Fi interference.	Connect to the drone's Wi-Fi network, open the Blarie app, restart drone and phone, try a different location to reduce interference.
Drone drifts during flight.	Gyroscope not calibrated, strong wind, fine-tuning needed.	Recalibrate the gyroscope, avoid flying in windy conditions, use the fine-tuning buttons on the remote control to adjust drift.
Remote control not responding.	Low remote control battery, not paired with drone.	Replace remote control batteries, re-pair the remote control with the drone.

## 8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Blarie

Feature	Detail
Model Name	Falcon F2
Special Features	Compact, Foldable, Portable
Age Range (Description)	Adult
Color	Black
Video Capture Resolution	4K
Effective Still Resolution	4000 Pixels
Connectivity Technology	Wi-Fi
Included Components	Battery, Camera
Skill Level	Beginner
Item Weight	249 Grams (8.8 ounces)
Video Capture Format	MP4
Control Type	Remote Control
Material	Plastic
Battery Cell Composition	Lithium Ion
Product Dimensions	2.75"L x 9"W x 7"H (unfolded)

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or any questions not covered in this manual, please refer to the contact information provided with your purchase or visit the official Blarie website. Keep your purchase receipt as proof of purchase for warranty claims.