

Bwine F7GB2 Pro

Bwine F7GB2 Pro Drone User Manual

Model: F7GB2 Pro

1. INTRODUCTION

This manual provides essential instructions for the safe operation and maintenance of your Bwine F7GB2 Pro Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. The Bwine F7GB2 Pro is a high-performance drone equipped with a 4K camera, 3-axis gimbal, and advanced GPS features, designed for aerial photography and videography.

2. SAFETY GUIDELINES

- **FAA Compliance:** The Bwine F7GB2 Pro drone is FAA Remote ID certified. Users are responsible for understanding and complying with all local aviation regulations, including registration requirements.
- **Pre-Flight Check:** Always inspect the drone, propellers, and batteries for any damage before each flight.
- **Environmental Conditions:** Avoid flying in strong winds (above Level 6 wind resistance), rain, snow, or other adverse weather conditions. Do not fly near power lines, buildings, or crowds.
- **Battery Safety:** Use only approved chargers and batteries. Do not overcharge or puncture batteries. Store batteries in a cool, dry place, partially charged (50-60%) if not used for extended periods. Avoid using damaged or swollen batteries.
- **Maintain Line of Sight:** Always keep the drone within your visual line of sight during flight.
- **Respect Privacy:** Be mindful of privacy laws when operating the drone and capturing images or videos.
- **Emergency Procedures:** Familiarize yourself with the Auto Return Home function for emergencies such as low battery or signal loss.

3. PACKAGE CONTENTS

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



Image: Bwine F7GB2 Pro Drone, remote controller, batteries, propellers, and carrying case.

- 1 x Bwine F7GB2 Pro Camera Drone
- 1 x Transmitter (Remote Controller)
- 3 x 11.1V 2600mAh Intelligent Batteries (one pre-installed)
- 2 x USB Charging Cables
- 1 x Allen Wrench
- 8 x Propeller Blades (4 installed, 4 spare)
- 12 x Screws
- 1 x Carrying Shell Case
- 1 x User Manual (this document)

4. PRODUCT OVERVIEW

The Bwine F7GB2 Pro drone features a foldable design for portability, a 4K UHD camera with a 3-axis gimbal for stable footage, and a robust GPS system for intelligent flight functions.



3-AXIS GIMBAL

3km/9800ft Real-time Transmission
Shooting More Stable

Image: The Bwine F7GB2 Pro drone in flight, with the remote controller displaying a live feed on a smartphone.

3*25MINS
Longer Battery Life



Image: Close-up of the Bwine F7GB2 Pro drone's 4K camera and 3-axis gimbal system.

4.1 Drone Components

- **Foldable Arms:** For compact storage and transport.
- **Brushless Motors (1806):** Provide stable flight and Level 6 wind resistance.
- **Propellers:** Generate lift for flight.
- **4K UHD Camera:** Detachable camera with 120° FOV lens and larger COMS sensor.
- **3-Axis Gimbal:** Stabilizes the camera for smooth video and sharp photos.
- **Intelligent Flight Battery:** Provides power to the drone.
- **GPS Module:** Enables precise positioning and smart flight functions.
- **Remote ID Module:** Complies with FAA regulations.

4.2 Remote Controller

The remote controller allows for precise control of the drone and access to various flight modes and camera functions. It features a smartphone mount for live FPV viewing via the Bwine drone APP.

5. SETUP

5.1 Battery Charging and Installation

1. **Charge Batteries:** Connect the intelligent flight batteries to the USB charging cables and a suitable power adapter. Ensure all three 2600mAh batteries are fully charged before first use. Charging typically takes 1.5 hours per battery with a Bwine 65W fast charger (sold separately).
2. **Install Battery:** Insert a fully charged battery into the drone's battery compartment until it clicks securely into place. One battery is pre-installed.



Image: The Bwine F7GB2 Pro drone with three intelligent batteries, illustrating the 75-minute total flight time.

5.2 Propeller Installation

1. Identify the correct propellers (A and B) and match them to the corresponding motor arms.
2. Attach the propellers to the motor shafts and secure them with the provided screws using the Allen wrench. Ensure they are firmly attached but not overtightened.



Image: A set of drone propellers, indicating the spare parts included in the package.

5.3 App Installation and Connection

1. Download the Bwine drone APP from your smartphone's app store.
2. Mount your smartphone onto the remote controller.
3. Power on the drone and the remote controller.
4. Open the Bwine drone APP and follow the on-screen instructions to connect to the drone via Wi-Fi.

5.4 FAA Remote ID Compliance

The Bwine F7GB2 Pro drone is equipped with an FAA Remote ID module. The Remote ID information, including a QR code, is located on the drone arm. Users are advised to familiarize themselves with FAA regulations regarding drone operation and registration. Further information can be found on the FAA website or through the Bwine drone APP.

6. OPERATING INSTRUCTIONS

6.1 Pre-Flight Checks

- Ensure batteries are fully charged for both drone and controller.
- Check propellers for damage and ensure they are securely attached.
- Verify the camera gimbal is free from obstructions.
- Confirm GPS signal acquisition before takeoff (indicated in the app).
- Ensure you are in an open area, away from obstacles and restricted airspace.

6.2 Takeoff and Landing

- **One-Key Takeoff:** Press the dedicated One-Key Takeoff button on the remote controller or in the app. The drone will automatically ascend to a safe altitude and hover.
- **Manual Takeoff:** Calibrate the drone and then push both control sticks diagonally outwards and downwards to start the motors. Slowly push the left stick up to ascend.
- **One-Key Landing:** Press the dedicated One-Key Landing button. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left stick down to descend. Once landed, push both control sticks diagonally outwards and downwards to stop the motors.

6.3 Flight Modes and Features

LEVEL6

Wind Resistance

+1806 Brushless Motors
Super stable even fly from up to 2000M highlands



Image: The Bwine F7GB2 Pro drone flying over a field, with the remote controller displaying "Beginner Mode" and other flight options.

- **Beginner Mode:** Limits flight speed and distance for new pilots, making operation easier and safer.
- **GPS Follow Me:** The drone will automatically follow the remote controller or connected smartphone, recording your movements.
- **Waypoint Flight:** Set a custom flight path by tapping points on the map in the app. The drone will fly along the designated route.
- **Orbit Fly (Point of Interest):** Select a central point, and the drone will circle around it at a specified radius and altitude, capturing footage of the subject.
- **Auto Return Home (RTH):**
 - **Smart RTH:** Initiated manually by pressing the RTH button.
 - **Low Battery RTH:** Automatically triggered when the battery level is critically low.
 - **Signal Loss RTH:** Automatically triggered if the connection between the drone and controller is lost.

6.4 Camera Operation

- **Photo/Video Capture:** Use the dedicated buttons on the remote controller or the app interface to take photos or start/stop video recording.
- **Gimbal Control:** Adjust the camera's tilt angle using the gimbal dial on the remote controller.
- **Digital Zoom:** Utilize the 5x digital zoom feature via the app for closer shots.
- **Night Shooting:** The camera's larger COMS sensor is optimized for improved low-light performance.

6.5 App Features

- **FPV View:** Real-time video feed from the drone's camera to your smartphone.
- **Media Sharing:** Share photos and videos directly to social media platforms (Facebook, Twitter, YouTube, TikTok) from the app.
- **Editing Tools:** Retouch photos and videos with built-in filters and background music.

7. MAINTENANCE

7.1 Battery Care

- Remove the charger promptly once charging is complete.
- For long-term storage, maintain a 50%-60% charge level. Store at temperatures between 10-40°C (50-104°F), ideally 19-21°C (66-70°F).
- Charge and discharge batteries once a month if not in regular use.
- Do not use batteries that have been exposed to water, squeezed, deformed, or dropped from a height.
- Remove batteries from the aircraft if it will not be used for a month or longer to prevent deep discharge.

7.2 General Cleaning

- Wipe the drone and controller with a soft, dry cloth after each use.
- Ensure no dust or debris accumulates in the motors or camera gimbal.

8. TROUBLESHOOTING

Refer to the following common issues and solutions. For further assistance, consult the Bwine drone APP or contact customer support.

Issue	Possible Cause / Solution
Video not clear enough	Save video on the SD card for clearer quality than saving directly to the phone. Ensure camera lens is clean.
Drone cannot land	Use the auto return home button on the controller; the drone will automatically return and land. Ensure sufficient clear landing space.
Drone not working after hitting obstacles	Drones can be damaged by collisions. Ensure flight altitude is higher than surrounding obstacles. Inspect for physical damage.
Drone not responding to controller	Ensure drone and controller are powered on and properly paired. Check battery levels. Re-establish connection via the app.

Issue	Possible Cause / Solution
Poor GPS signal	Fly in an open outdoor area away from tall buildings, trees, or strong magnetic interference. Wait for sufficient satellites to connect.

IF YOU ARE A BEGINNER?

First, please watch the Flight videos in the APP, and read below:

Q Why is the video not clear enough?
A Please save video on the SD card, will be clearer than saved in the phone.

Q How to land the drone?
A There is an auto return home button on the controller, the drone will automatically return & land after you press this button.

Q Why the drone can not work after hitting obstacles?
A Drones are easily broken after hitting an obstacle. Please ensure that the flight altitude is higher than the surrounding obstacles.

For more precautions
please check the manual or contact us directly. We will help you solve it as soon as possible.



Image: A man holding a drone with common troubleshooting questions and answers displayed.

9. SPECIFICATIONS

Feature	Detail
Brand	Bwine
Model Name	F7GB2 Pro
Camera	4K UHD, 120° FOV, larger COMS sensor, 5x Digital Zoom
Gimbal	3-Axis Stabilization
Flight Time	Up to 75 minutes (with 3x 2600mAh batteries)
Control Range	Up to 3000m (9800-10000 ft ideal range)
Wind Resistance	Level 6
Motor Type	1806 Brushless Motor
Connectivity	Wi-Fi
GPS Features	Follow Me, Waypoint, Orbit Fly, Auto Return Home

Feature	Detail
Item Weight	550 Grams (1.21 pounds)
Product Dimensions	1.31"L x 0.44"W x 1.07"H

10. WARRANTY AND SUPPORT

Bwine offers a **2-year warranty** for replacing damaged items and a **30-day money-back guarantee** for any reason. For any questions or support needs, please contact Bwine customer service.

Contact Information:

- **Email:** Bwinedrone@gmail.com
- **Phone:** +1 (619) 614-7960
- Refer to the contact information on the back cover of the physical manual or within the Bwine drone APP.

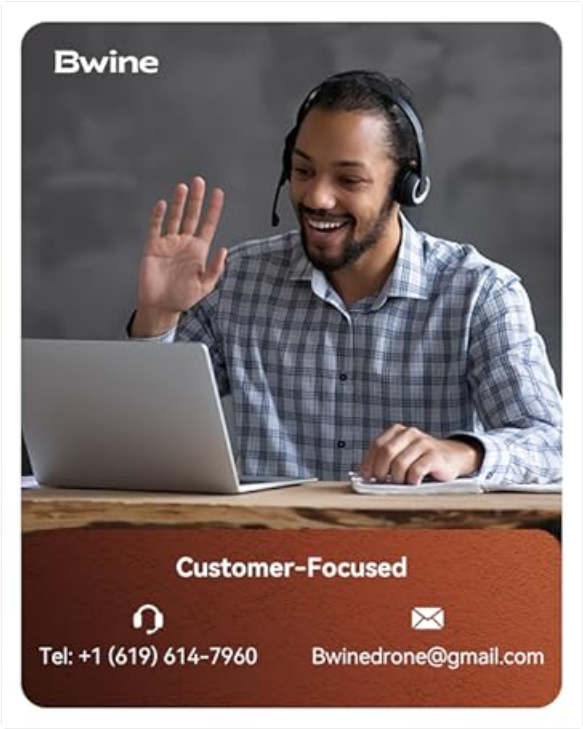


Image: A customer service representative wearing a headset, indicating available support.





[Bwine F7GIM Drone User Manual: Advanced Aerial Photography and Flight](#)

Comprehensive guide to the Bwine F7GIM drone, covering its 6K camera, GPS/TOF positioning, smart flight modes, Bwine Mini App, and essential FAA Remote ID registration for safe and compliant operation.



[Bwine F7GB2 Drone User Manual](#)

Comprehensive user manual for the Bwine F7GB2 drone, covering setup, flight operations, intelligent flight modes, transmitter usage, app features, troubleshooting, and specifications.

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1 Using This Manual

Legend

1.2 Read Before the First Flight

1.3 Download the Bwine Drone APP

1.4 Video Tutorials

2 Product Profile

2.1 Overview

2.2 Product List

3 Aircraft



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3.1 Preparing the Aircraft

All aircraft arms are folded before the aircraft is packaged. Follow the steps below to unfold the aircraft arms.

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- The F4U had 3 speed ranges: 14,700 fpm, 20,000 fpm, and 26,370 fpm. The default speed is medium speed. Turn the speed knob to the right to adjust the flight speed up to 26,370 fpm and turn the knob to the left to slow the aircraft down to 14,700 fpm, which provides diverse flight experience and energy ratio as needed and required.

- When wind speed is high, high speed flight may be required to compensate and maintain effect.
- When flying with fast gain, the pilot should ensure at least 2 means of heading indication remain or flying is safely conducted.
- When using the fast gain to fly, the power of the aircraft will be greatly increased, and deceleration of the aircraft level in the transmitter will be the largest flight rate of the aircraft. During the actual flight, the pilot must ensure enough time space to avoid the risk of air crash.


- The F730D aircraft's status indicator is located above the main landing gear to indicate the current status of the flight control system. Refer to the following table for the status of the flight control system associated to different indication codes.

Color of light	Linking status of the indicator	Conditions
None or very low brightness	Continuous glow or steady light	The emergency status of the vessel and the vessel's position with the GPS receiver
Flashes with red and green light	Flashes with red and green light	Continuous collision avoidance, radar
Flashes with red and blue light	Red light on, blue light on	Reduction in visibility
Flashes with red and green light	Red light on, green light on	Tracking the GPS
Flashes with red and blue light	Red light on, blue light on	Continuous collision avoidance, radar
Flashes with red and green light	Red light on, green light on	Continuous collision avoidance, radar
Flashes with red and blue light	Red light on, blue light on	Continuous collision avoidance, radar

Comprehensive user manual and operating instructions for the Bwine F7 4K Camera Drone, covering package contents, product overview, technical specifications, remote controller operation, pre-flight preparation, flight operations, camera functions, maintenance, troubleshooting, safety guidelines, and warranty information.



Explore the Bwine F7MINI SE User Manual for comprehensive instructions on operating this foldable 4K FPV drone. Learn about its RTH function, GPS, 5GHz Wi-Fi transmission, and intelligent flight modes. Weighing under 250g, it's designed for easy portability and stable flight.

	<p>Bwine F7MINI User Manual</p> <p>Comprehensive user manual for the Bwine F7MINI drone, covering setup, flight operations, app usage, and troubleshooting. Learn about the aircraft's features, transmitter functions, and safety guidelines for an optimal flying experience.</p>
	<p>F7MINI SE Drone User Manual: Flight, Calibration, Specs & Troubleshooting</p> <p>Comprehensive user manual for the Bwine F7MINI SE drone. Covers flight operations, pre-flight checks, calibration procedures, specifications, accessories, and troubleshooting tips.</p>