Bwine F7MINI SE

User Manual

BWINE F7MINI SE GPS DRONE WITH CAMERA 4K

Model: F7MINI SE | Brand: Bwine

Introduction

The Bwine F7MINI SE GPS Drone is a lightweight, high-performance aerial vehicle designed for both beginners and experienced pilots. Weighing only 238g, it does not require FAA registration, offering freedom and ease of use. Equipped with a 4K UHD camera, it captures stunning photos and videos, providing a new perspective on your surroundings. With up to 70 minutes of flight time and a long control range of 9,842 feet, this drone is ideal for extensive exploration and creative expression.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Bwine F7MINI SE drone. Please read it thoroughly before your first flight to ensure safe and optimal performance.

Image: The Bwine F7MINI SE GPS Drone, remote controller, two intelligent flight batteries, propeller blades, charging cables, and carrying case.

Image: The Bwine F7MINI SE drone and its remote controller being held, emphasizing its compact and lightweight nature (only 238g).

What's Included

Verify that all components are present in the package:

- 1 x Bwine F7MINI SE Drone
- 2 x Intelligent Flight Battery
- 1 x Remote Controller
- 1 x Camera Cover
- 2 x USB Charging Cable
- 3 x Data Cable
- 4 x Propeller Blades (spare)
- 1 x Carrying Case
- 2 x User Manual (this document and possibly a quick start guide)
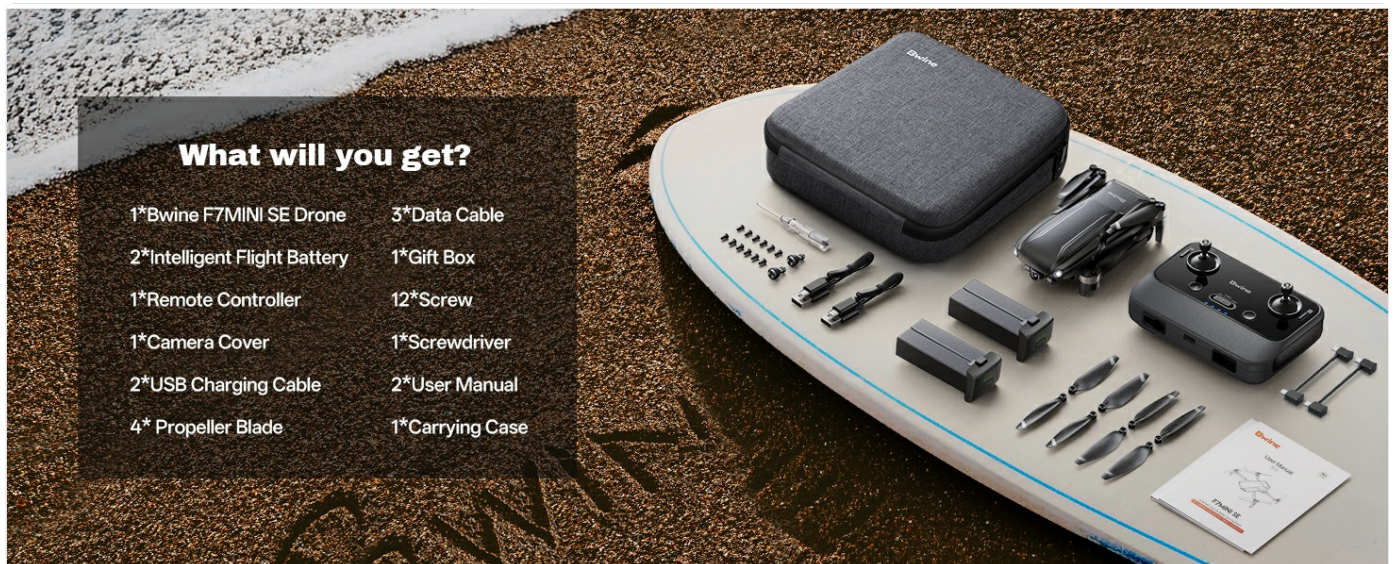
- 1 x Screwdriver

Image: A visual representation of all items included in the Bwine F7MINI SE drone package, neatly arranged.

Your browser does not support the video tag.

Video: An unboxing video demonstrating the contents of the Bwine F7MINI SE Drone package.

Your browser does not support the video tag.

Video: A short video detailing all the items you will receive with your Bwine F7MINI SE drone purchase.

Setup Guide

1. Charging the Batteries

Ensure both the intelligent flight batteries and the remote controller are fully charged before use. Use the provided USB charging cables. For optimal charging, a Bwine 65W fast charger (sold separately) is recommended.

70 Mins

35mins×2, Double batteries

Image: The drone battery and the drone itself connected to a power adapter for charging, illustrating the charging process.

2. Drone and Remote Controller Preparation

1. Unfold the drone arms carefully.
2. Install the intelligent flight battery into the drone until it clicks into place.
3. Attach your smartphone to the remote controller's phone holder.
4. Connect the remote controller to your smartphone using one of the provided data cables.

3. Pre-Flight Checks

Before each flight, perform the following checks:

- Ensure propellers are free from damage and obstructions.
- Verify the camera cover is removed before flight.
- Check battery levels of both drone and remote controller.
- Ensure you are in an open area, away from obstacles, people, and restricted airspace.

- Calibrate the drone's compass and gyroscope as instructed by the app.

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Video: A guide on essential steps to take before the drone takes off, ensuring a safe and successful flight.

Operating Instructions

1. Basic Flight Controls

Familiarize yourself with the remote controller's joysticks and buttons. The left joystick typically controls altitude and yaw (rotation), while the right joystick controls forward/backward and left/right movement.

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Video: A comprehensive first flight guide for the Bwine F7MINI SE Drone, covering basic controls and initial flight procedures.

2. Advanced Positioning Technology

The F7MINI SE utilizes multiple positioning technologies for stable flight, including GPS, barometric pressure for altitude, optical flow, and TOF (Time of Flight) for low-altitude stability. This makes it particularly suitable for beginners.

Image: An illustration highlighting the drone's advanced positioning technologies: GPS, TOF, Optical Flow, and Barometric Pressure, which contribute to stable flight.

3. Digital Transmission and Range

Experience stable video transmission up to 9,842 feet (3 km) thanks to advanced digital transmission technology, eliminating the need for a Wi-Fi connection for control.

9842 FT (3KM)

Advanced Digital Transmission
(No Need WIFI Connection)

Image: A user operating the drone with the remote controller and smartphone, demonstrating the impressive 9,842 feet (3 km) long-range digital transmission.

4. Intelligent Flight Features

- **GPS Safe Return:** The drone features automatic return to home functions for low battery, signal loss, and one-key return, ensuring safety.

Image: An illustration of the drone's GPS Auto Return feature, activated by low battery, signal loss, or a single button press.

- **Follow Me:** The drone can intelligently lock onto and follow the user, acting as a personal photographer.
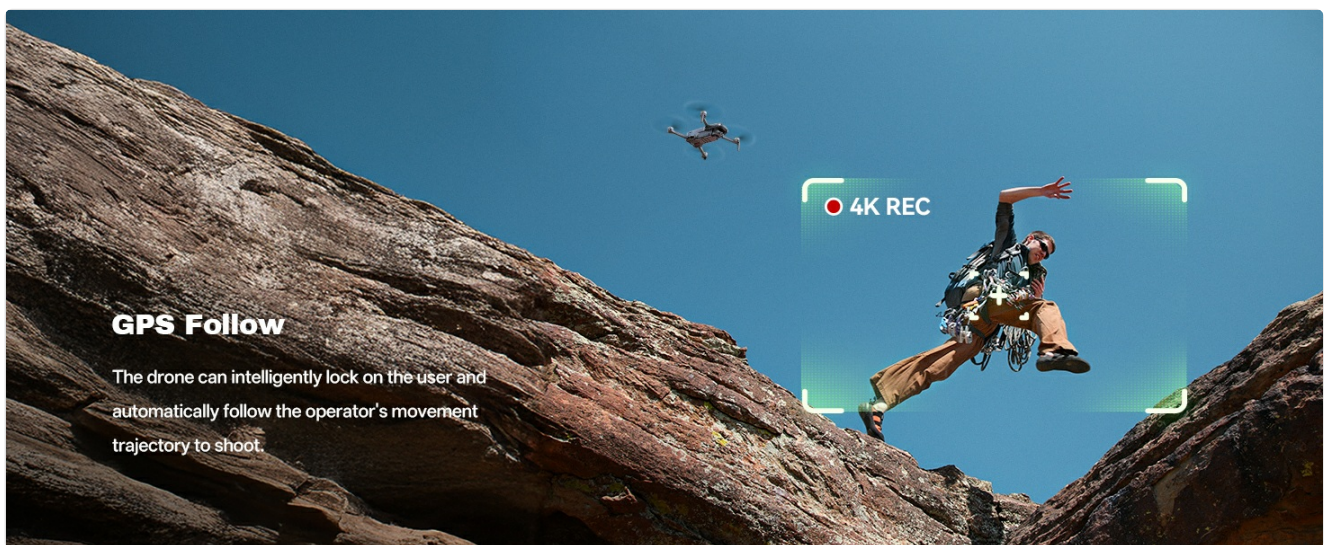

Image: The drone actively following a person, showcasing its GPS Follow mode for dynamic aerial photography.

- **Circle Flight (Point of Interest):** Capture 360° panoramic views by having the drone fly in a circle around a specified point.
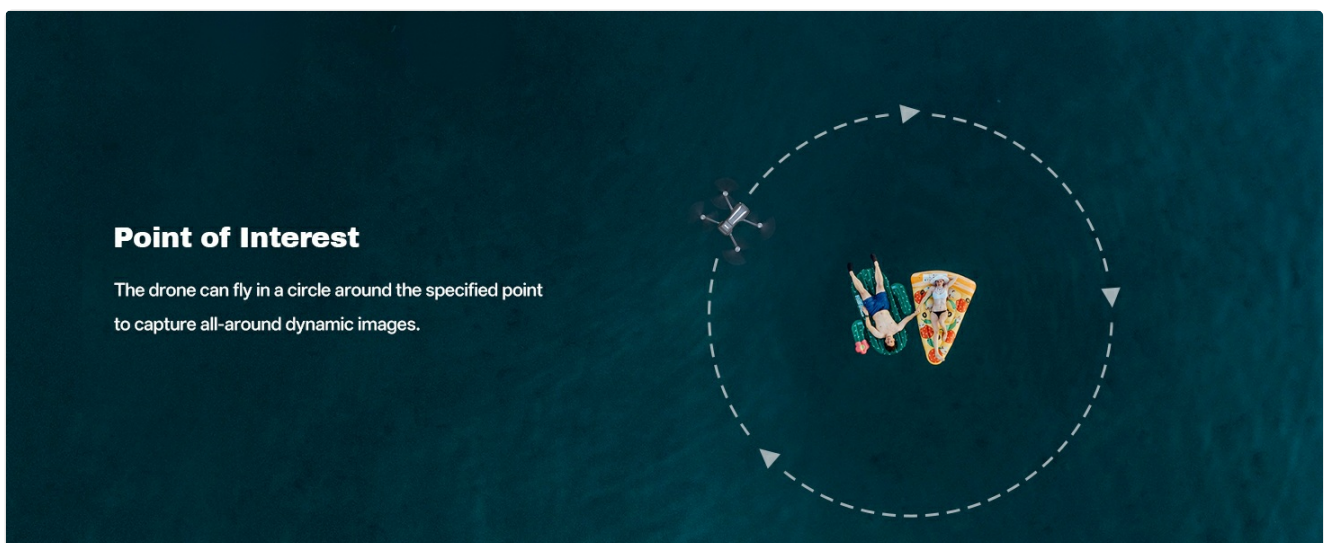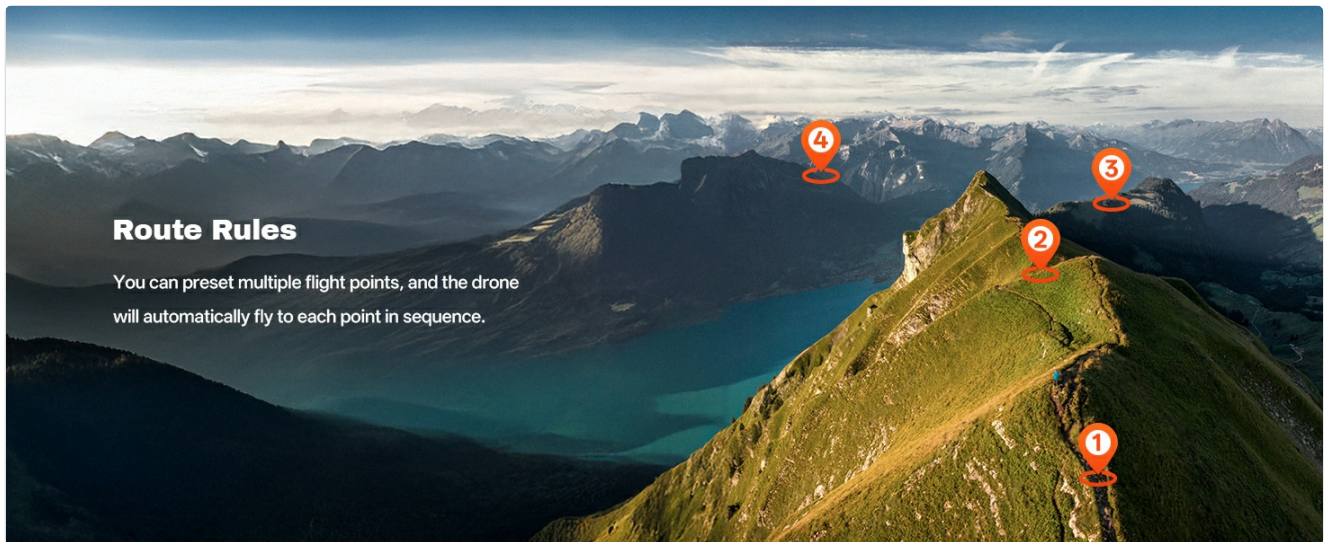

Image: The drone performing a circular flight around a point of interest, capturing a full panoramic view.

- **Waypoint Flight:** Plan your exclusive route by setting multiple flight points, and the drone will automatically fly to each point in sequence.
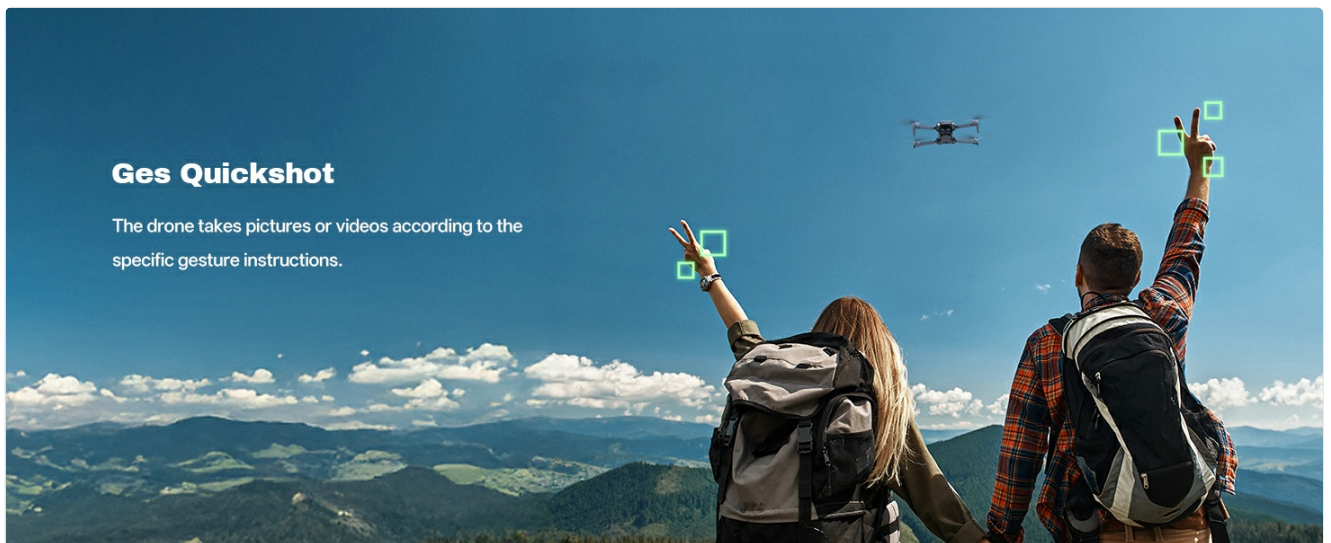
Route Rules

You can preset multiple flight points, and the drone will automatically fly to each point in sequence.

Image: A visual representation of setting multiple waypoints for the drone to follow a pre-planned flight path.

- **Gesture Photo:** Use specific hand gestures to command the drone to take pictures or videos.

Ges Quickshot

The drone takes pictures or videos according to the specific gesture instructions.

Image: Users interacting with the drone using hand gestures for quick photo and video capture.

5. Camera Operation

The integrated 4K UHD camera allows for high-resolution aerial photography and videography. Insert an SD card (not included) for clearer photos and videos. Control camera functions via the Bwine app on your smartphone.

Image: A dynamic shot illustrating the drone's ability to capture stunning 4K UHD footage from the air.

Image: A scenic view with a prominent "4K UHD" overlay, highlighting the drone's capability to capture high-detail images and videos.

6. Beginner Mode

For new pilots, the Beginner Mode limits flight distance and speed to reduce the risk of improper operation. To fly further or faster, this mode can be disabled in the app settings.

Image: A screenshot of the Bwine drone application interface, showing the "Beginner Mode" setting which limits flight parameters for new users.

Maintenance

- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers using the provided screwdriver and spare blades.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge to approximately 50% capacity.
- **Storage:** When not in use, store the drone and its components in the carrying case to protect them from dust and physical damage.

Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on.	Low battery; Battery not properly inserted.	Charge the intelligent flight battery; Reinsert battery firmly.
No video feed on smartphone.	Loose data cable connection; App not open or connected.	Ensure data cable is securely connected; Restart the Bwine app and reconnect.
Drone drifts during flight.	Improper calibration; Wind interference.	Perform compass and gyroscope calibration; Fly in calm conditions.
Remote controller not connecting.	Low remote battery; Pairing issue.	Charge remote controller; Re-pair the remote controller with the drone according to the quick start guide.

For more detailed troubleshooting steps, please refer to the comprehensive user guide provided with your product or contact customer support.

Specifications

Feature	Detail
Brand	Bwine
Model Name	F7MINI SE
Item Weight	8.4 Ounces (238g)
Video Capture Resolution	4K UHD
Maximum Range	9842 Feet (3 km)
Flight Time	Up to 70 minutes (with 2 batteries)
Battery Capacity	2200 Milliamp Hours
Control Type	Remote Control
Connectivity Technology	USB (for charging/data)
Optical Sensor Technology	Optical Flow, TOF
Material	Carbon Fiber
Product Dimensions	5.55"L x 3.42"W x 2.44"H

Warranty Information

Bwine products are covered by a manufacturer's warranty. For specific details regarding the warranty period and terms, please refer to the warranty card included in your product packaging or visit the official Bwine website. Keep your proof of purchase for warranty claims.

Extended protection plans may be available for purchase separately. Please check with your retailer for options.

Customer Support

If you encounter any issues or have questions about your Bwine F7MINI SE drone, please contact our customer support team:

Phone: +1 (619) 614-7960

Email: Bwinedrone@gmail.com

Online Store: Visit the Bwine Store on Amazon
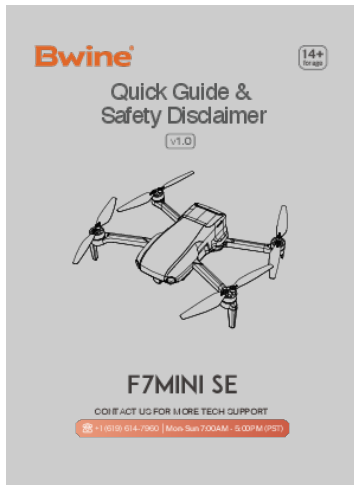
Image: A detailed view of the Bwine F7MINI SE drone, showcasing its compact design and integrated camera.

Documents - Bwine – F7MINI SE

[Bwine F7MINI SE Quick Guide & Safety Disclaimer](#)

This quick guide and safety disclaimer for the Bwine F7MINI SE drone provides essential information on flight operations, remote control connection, GPS signal searching, battery care, photography tips, and troubleshooting common issues. Learn how to safely operate and maintain your F7MINI SE quadcopter.

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[Bwine F7MINI SE Drone User Manual - 4K FPV Quadcopter Guide](#)

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.

lang:en score:47 filesize: 11.88 M page_count: 68 document date: 2024-09-10