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› Bwine F7MINI Drone User Manual

Bwine F7MINI 4K(RC3)

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Model: F7MINI 4K(RC3)

1. INTRODUCTION

The Bwine F7MINI 4K(RC3) is a high-performance drone designed for adults, featuring an upgraded 5.5-inch 1080P RC screen, 8K photo and 4K UHD video capabilities, and a 3-axis brushless gimbal for stable footage. Weighing under 249g, it does not require FAA registration, making it beginner-friendly. It offers advanced GPS intelligent systems for various flight modes and extended flight times with two high-capacity batteries.

2. WHAT'S IN THE BOX

- F7MINI 4K(RC3) Drone × 1
- 1080P Remote Control with Screen × 1
- High Capacity Battery × 2 (One is Installed)
- Carrying Shell Case × 1
- Use Manual × 1
- Data Cable × 2
- Spare propellers × 4
- Screws kit

Perfect Package as Gifts

2 Batteries Included, One is Installed



This image displays the complete package contents: the F7MINI 4K(RC3) drone, screen controller, two high-capacity batteries, a carrying shell case, charging data cables, spare propellers, and a screwdriver kit.

3. SETUP

3.1 Initial Assembly

1. Unfold the drone arms carefully.
2. Insert a charged battery into the drone until it clicks securely into place.
3. Attach the control sticks to the remote controller.

3.2 Controller Overview

The remote controller features a 5.5-inch 1080P screen for crystal-clear views and 32GB of internal storage. Familiarize yourself with the joystick controls and screen interface before flight.

Your browser does not support the video tag.

This video demonstrates the features and operation of the Bwine F7MINI drone's 5.5-inch 1080P screen controller, including its interface and controls.

4. OPERATING INSTRUCTIONS

4.1 Basic Flight Controls

- **Power On:** Press and hold the power button on both the drone and the controller until they power on.
- **Pairing:** The drone and controller should automatically pair. Refer to the on-screen prompts if pairing issues occur.
- **Takeoff/Landing:** Use the one-click takeoff/landing button for automated ascent and descent.
- **Hovering:** The drone features precise hover technology for stable flight.

4.2 GPS Intelligent Flight Modes

The F7MINI drone incorporates an intelligent GPS system for enhanced flight capabilities:

- **Active Track:** The drone can follow a subject with 0.5m accuracy.
- **Cruise Control:** Maintain a constant speed and direction for steady shots.
- **Orbit Flight:** The drone circles a fixed point 360 degrees.
- **Waypoint Planning:** Customize flight paths on the app for automatic navigation.

20000ft Real-Time Transmission

5.5"LCD 60Hz Rate | 1080P HD Screen | 32GB Built-in Memory



The remote controller provides a live feed and access to various flight modes and settings.



The GPS intelligent system allows for advanced flight functions such as Active Track and Waypoint Planning.

5. CAMERA AND VIDEO FEATURES

The Bwine F7MINI is equipped with a powerful camera system for capturing high-quality aerial content:

- **8K Photos:** Capture stunning still images with 48MP resolution and an F1.8 aperture.
- **4K UHD Video:** Record smooth video at 4K/30fps.
- **3-Axis Brushless Gimbal & EIS:** Ensures silky smooth footage, even in windy conditions, by mechanically stabilizing the camera.
- **5x Digital Zoom:** Provides closer views and enhances aerial photography.
- **Vertical Shooting:** Easily switch to vertical mode for content optimized for social media.

48MP Master Level Camera



1/2" Cmos
F1.8 Aperture



8K Photo
4K Video

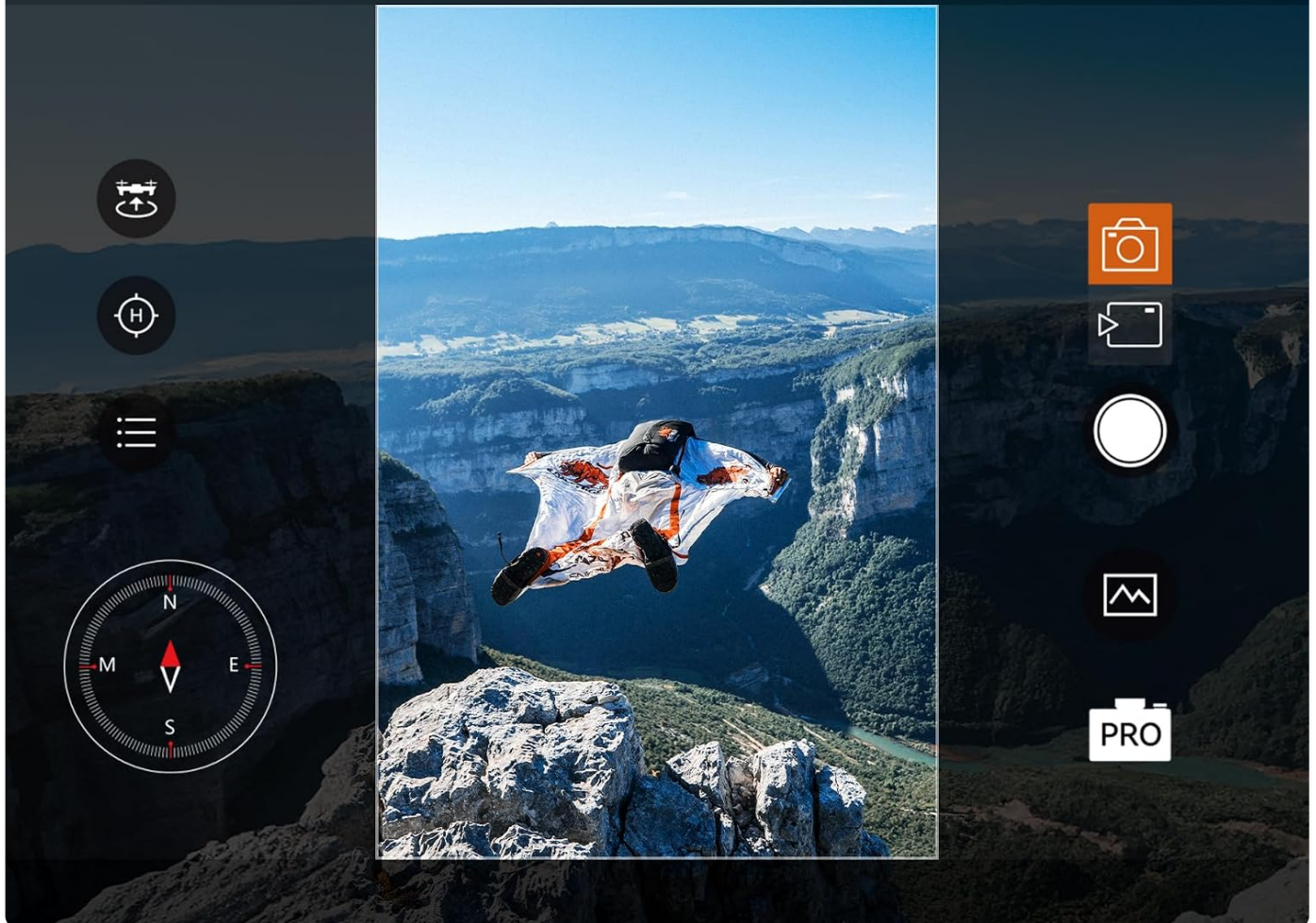


3-Axis
Gimbal



This image highlights the drone's advanced camera system, featuring a 48MP sensor, F1.8 aperture, 8K photo capability, 4K video recording, and a 3-axis gimbal for stabilization.

Upgraded Vertical Shooting



The drone supports vertical shooting mode, allowing users to capture and share content optimized for social media platforms directly from the controller.

6. MAINTENANCE

6.1 Battery Care

To ensure optimal performance and longevity of your drone batteries:

- Avoid high temperatures, direct sunlight, water immersion, and excessive pressure.
- Charge batteries using compatible PD 3.0 fast charging methods (charger sold separately).
- Store batteries in a cool, dry place when not in use.

Enjoy Longer Flying Time

32mins × 2, Get Double Fun



2 Pack Batteries
2200mAh Large Capacity



The drone includes two high-capacity 2200mAh batteries, each providing up to 32 minutes of flight time. They support PD 3.0 fast charging (charger sold separately).

Your browser does not support the video tag.

This video provides essential precautions and tips for maintaining the Bwine F7MINI drone's batteries, ensuring their longevity and safe operation.

6.2 Propeller Replacement

If propellers are damaged, replace them using the provided spare propellers and screwdriver. Ensure propellers are installed correctly according to the markings (A and B) on the propellers and motor arms.

7. SAFETY GUIDELINES

- The drone weighs under 249g, so FAA registration is not required in many regions. Always check local regulations.
- **Smart Return to Home (RTH):** The drone will automatically return to its home point on low battery or signal loss.

- **Dynamic Home Point:** The RTH location updates with the controller's position, allowing the drone to follow you.
- **Drone Locator:** A 120dB buzzer via the app helps locate the drone if it is lost.
- Avoid flying near houses, inside forests, or in areas with signal obstruction to ensure stable transmission.
- Cloudy skies and areas under trees may delay GPS signal acquisition.



Weighing under 249g, the Bwine F7MINI drone is lightweight and compact, making it easy to transport and eliminating the need for FAA registration.

Your browser does not support the video tag.

This video outlines important environmental considerations and cautions for flying the Bwine F7MINI drone, including avoiding obstructed areas and understanding GPS signal limitations.

8. SPECIFICATIONS

Feature	Detail
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Brand	Bwine
Model Name	F7MINI 4K(RC3)
Remote Controller Screen	5.5" 1080P (60Hz/500nit)
Internal Storage (RC)	32GB
Photo Resolution	8K (48MP)
Video Capture Resolution	4K/30fps
Gimbal	3-Axis Brushless Gimbal with EIS
Transmission Range	Up to 20,000ft (6km)
Flight Time (per battery)	32 minutes
Battery Capacity	2200 mAh
Weight	Under 249g
Connectivity Technology	Wi-Fi, RF (Digital Transmission)
Special Features	GPS Intelligent System (Active Track, Cruise Control, Orbit Flight, Waypoint Planning), Smart RTH, Dynamic Home Point, Drone Locator

9. TROUBLESHOOTING

This section provides general guidance for common issues. For specific troubleshooting steps, please refer to the detailed user manual included in your product package or contact Bwine customer support.

9.1 Common Issues & Solutions

- **Drone not powering on:** Ensure the battery is fully charged and correctly inserted.
- **Controller not connecting:** Verify both drone and controller are powered on and within range. Re-attempt pairing if necessary.
- **Poor GPS signal:** Move to an open area away from obstructions like buildings or dense trees. Avoid flying under cloudy skies.
- **Unstable flight:** Check propellers for damage and ensure they are correctly installed. Perform IMU calibration if available.
- **Image/Video quality issues:** Ensure the camera lens is clean. Check gimbal for obstructions.

10. WARRANTY AND SUPPORT

Bwine is committed to providing excellent customer service and product support.

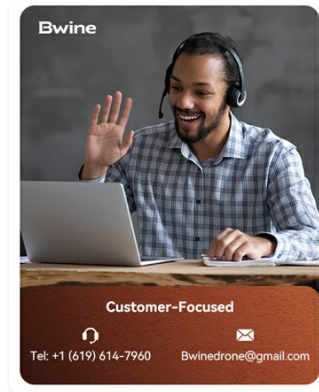
- **Warranty:** Your Bwine F7MINI drone comes with a 2-year warranty.

- **Firmware Updates:** Enjoy lifetime firmware updates to keep your drone's performance optimized.
- **Customer Support:** 24/7 local after-sales support is available for any queries or assistance you may need.

Contact Information:

Phone: +1 (619) 614-7960

Email: Bwinedrone@gmail.com



Bwine offers dedicated customer support for all your product needs.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question