

MiXXAR S167

MiXXAR S167 Foldable GPS FPV Drone User Manual

Model: S167 | Brand: MiXXAR

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INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your MiXXAR S167 Foldable GPS FPV Drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury.

SETUP

1. Unboxing and Component Check

Carefully remove all components from the packaging. Ensure all items listed below are present:

- MiXXAR S167 Drone
- Remote Control
- Battery (included)
- Charging Cable
- Spare Propellers
- User Manual (this document)

If any components are missing or damaged, contact customer support.

2. Battery Installation and Charging

The drone requires a 1300 Milliamp Hours Lithium battery. The remote control requires 1 AA battery (included).

1. Insert the drone battery into its compartment.
2. Insert the AA battery into the remote control.

3. Charge the drone battery fully before first use. Refer to the charging cable instructions for details.

3. Remote Control and Drone Pairing

Follow these steps to pair the remote control with the drone:

1. Power on the drone. The drone's lights will blink.
2. Power on the remote controller. You will hear a beeping sound.
3. The drone's front lights will turn solid, and its back lights will blink slowly. The first light on the remote controller will turn solid, indicating successful pairing.

Your browser does not support the video tag.

Video: Official MiXXAR S167 Foldable GPS FPV Drone Operation Tutorial. This video demonstrates the pairing process between the drone and its remote control, showing the light indicators for successful connection.

4. Gyroscope Calibration

Calibrate the gyroscope for stable flight:

1. After pairing, long press the "One Key Gyroscope Calibration" button on the remote control.
2. You will hear a beeping sound. The drone's front lights will turn solid, and its back lights will blink slowly, indicating successful gyroscope calibration.

5. Geomagnetism Calibration

Perform geomagnetism calibration for accurate GPS functionality:

1. Press the "One Key Geomagnetism Calibration" button on the remote control.
2. You will hear a beeping sound. The drone's front and back lights will blink quickly.
3. Horizontally rotate the drone clockwise for 3-5 circles.
4. You will hear another beep. The drone's four lights will blink slowly.
5. Vertically rotate the drone with its camera facing downward, clockwise for 3-5 circles.
6. When the remote control beeps again, and the drone's front lights turn solid with its back lights blinking slowly, the calibration is successful.

6. GPS Satellite Search

For outdoor flight, ensure GPS signal is acquired:

1. After successful geomagnetism calibration, the drone will begin searching for satellites.
2. Within 1-3 minutes, you will hear a beeping sound from the remote controller. The third light on the remote controller will turn off from quick blinking.
3. The drone's front and back lights will turn solid.
4. Check the companion app (if installed) for at least 10 satellites shown on the screen. This indicates successful GPS satellite acquisition.



GPS LOCATION

REFUSE TO LOSE



ONE KEY RETURN



NO SIGNAL RETURN



LOW POWER RETURN



FIXED HOVERING

Image: MiXXAR S167 Drone highlighting GPS location features. This image illustrates the drone's GPS capabilities, including one-key return, no signal return, low power return, and fixed hovering.

OPERATING INSTRUCTIONS

1. Take-off and Landing

1. **Unlock Propellers:** Press the "Unlock" button on the remote control. The propellers will rotate at a low speed.
2. **Take-off:** Toggle the throttle joystick (left joystick) upwards to initiate take-off.
3. **One Key Take-off/Landing:** The drone features a "One Key Take-off/Landing" button for simplified operation. Press this button to automatically take off or land.

EXPLAIN

○ SPECS



Image: Detailed view of the MiXXAR S167 remote control, showing labeled buttons for various functions including speed control, geomagnetic, gyroscope, steering rod, on/off, photo/video, take-off/landing, GPS switch, throttle, headless mode, and return.

2. Basic Flight Controls

Familiarize yourself with the remote control joysticks:

- **Left Joystick:** Controls ascent (push up), descent (push down), left turning (push left), and right turning (push right).
- **Right Joystick:** Controls forward (push up), backward (push down), right sideward (push right), and left sideward (push left).

Your browser does not support the video tag.

Video: Official MiXXAR S167 Foldable GPS FPV Drone Operation Tutorial. This segment demonstrates basic flight controls, including ascent, descent, turning, and sideward movements using the remote control joysticks.

3. Camera Operation

The drone is equipped with a 4K HD camera with a 120° wide angle lens.

- **Camera Upward Adjustment:** Press the "Camera Upward Adjustment" button on the remote control to tilt the camera upwards.
- **Camera Downward Adjustment:** Press the "Camera Downward Adjustment" button on the remote control to tilt the

camera downwards.

- **Photo/Video:** Use the dedicated photo/video button on the remote control (or via the app) to capture images and record videos.



**4K/1080P 120° FOV
OPTIMIZED WI-FI CAMERA**

Image: Close-up of the MiXXAR S167 drone's 4K/1080P 120° FOV optimized Wi-Fi camera, illustrating its capability for capturing wide-angle footage.

4. Special Flight Modes

- **Altitude Hold:** The powerful air pressure altitude hold function allows for stable flight, enabling you to release the throttle stick while maintaining altitude.
- **GPS Return Home:** Press the "One Key Return" button. The drone will beep, and the fourth light on the remote control will blink quickly. The aircraft will return to its home point before landing.
- **Follow Me:** This feature allows the drone to automatically follow the remote controller or a designated subject (details available in the companion app).
- **Gesture Control:** Control the drone with specific hand gestures for taking photos or videos (details available in the companion app).

- **Circle Fly:** The drone can fly in a circular path around a designated point (details available in the companion app).
- **Headless Mode:** This mode allows for arbitrary flight without direction discrimination, simplifying control for beginners.



Image: MiXXAR S167 drone illustrating "Headless Mode" for arbitrary flight without directional concerns.

5. APP Operation

The drone can be controlled via a dedicated mobile application:

1. **Download App:** Scan the QR code provided in the user manual (or product packaging) to download and install the compatible app (e.g., HR_GPS).
2. **Connect Wi-Fi:** Turn on your phone's Wi-Fi and connect to the drone's network (e.g., HF_GPS_31d51d).
3. **Launch App:** Open the app and mount your phone to the remote control holder to start the flight interface.

Your browser does not support the video tag.

Video: Official MiXXAR S167 Foldable GPS FPV Drone Operation Tutorial. This segment demonstrates how to download the companion app, connect to the drone's Wi-Fi, and use the app for flight control and viewing live video feed.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drone.

- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace damaged propellers immediately using spare parts.
- **Battery Care:**
 - Do not overcharge or over-discharge batteries.
 - Store batteries in a cool, dry place away from direct sunlight.

- If not used for extended periods, charge batteries to about 50% capacity.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Storage:** When not in use, store the drone in a safe, dry place, preferably in its original packaging or a protective case.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Low or uncharged battery. Incorrect battery installation.	Ensure battery is fully charged and correctly installed.
Remote control does not connect to drone.	Incorrect pairing procedure. Out of range. Low remote control battery.	Repeat pairing steps. Ensure drone and remote are close. Replace remote batteries.
Unstable flight/Drifting.	Gyroscope not calibrated. Strong winds.	Perform gyroscope calibration. Fly in calm conditions.
GPS not locking/Drone not returning home.	Geomagnetism not calibrated. Insufficient satellites. Flying indoors.	Perform geomagnetism calibration. Ensure clear sky and wait for sufficient satellites (10+). GPS functions only outdoors.
App connection issues.	Incorrect Wi-Fi connection. App not updated.	Ensure phone is connected to drone's Wi-Fi. Update app to latest version.

SPECIFICATIONS

Feature	Detail
Brand	MiXXAR
Model Name	S167
Video Capture Resolution	4K
Connectivity Technology	Wi-Fi
Included Components	Battery, Remote Control
Skill Level	Beginner
Battery Capacity	1300 Milliamp Hours
Battery Cell Composition	Lithium

Feature	Detail
Control Type	Gesture Control
Material	Plastic
Item Weight	1.94 pounds
Manufacturer Part Number	RC009

WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official MiXXAR website.

Always ensure you are using official parts and accessories to maintain warranty validity and ensure safe operation.

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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

