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› XiaoXIN YLRC S106 RC Drone User Manual

XiaoXIN XiaoXIN D2308HTBERM13881GY-2

XiaoXIN YLRC S106 RC Drone User Manual

Model: XiaoXIN D2308HTBERM13881GY-2 | Brand: XiaoXIN

INTRODUCTION

The XiaoXIN YLRC S106 RC Drone is an advanced quadcopter designed for aerial photography and videography, featuring an 8K dual camera, GPS, 5G WiFi FPV, and a brushless motor. This manual provides essential information for safe operation, setup, and maintenance of your drone.



Image: The XIAOXIN YLRC S106 RC Drone, its remote controller, two flight batteries, and a compact storage bag.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x RC Drone
- 1 x Remote Controller
- 2 x Flight Battery
- 1 x USB Cable
- 8 x Spare Propeller (4 Pair)
- 1 x Screwdriver
- 1 x User Manual (this document)
- 1 x APP Instruction
- 1 x Storage Bag

Types Optional



with storage
bag-black-1 battery



with storage
bag-black-2 battery



with storage
bag-black-2 battery



with storage
bag-grey-1 battery



with storage
bag-grey-2 battery



with storage
bag-grey-3 battery

Image: Various package configurations for the drone, illustrating options with different battery quantities and the included storage bag.

PRODUCT OVERVIEW

The S106 drone features a foldable design for portability and is equipped with advanced flight systems.

Drone Components

- **8K Dual Camera:** Front and bottom cameras for versatile shooting.
- **Brushless Motors:** Provide stable and powerful flight.
- **GPS Module:** Enables precise positioning and return-to-home functions.
- **Optical Flow Positioning:** Assists with stable hovering indoors or in areas without GPS.
- **Foldable Arms:** For compact storage and transport.

8K

dual camera | Brushless power



Image: Two S106 drones, showcasing the 8K dual camera system and brushless motor technology.

On this one, About to surprise your eyes!

GPS intelligent positioning

in

Brushless power

optical flow positioning



Image: Visual representation of the drone's core technologies: GPS intelligent positioning, brushless power, and optical flow positioning.

Electronic image stabilization camera

Dual GPS positioning

The above data is for the factory's skilled professionals in sufficient light conditions, no wind, no interference, outdoor air Measured in the open field, the specific data will vary according to actual operating conditions, and the above data may not be reached. The data is for reference only.



① 8k camera



② GPS positioning



③ Brushless Motor

Image: Illustrates the drone's key features: 8K camera, GPS positioning, and brushless motor, contributing to electronic image stabilization and dual GPS positioning.

SETUP

1. Battery Installation

Drone Battery: Insert the flight battery into the designated compartment on the drone until it clicks into place. Ensure it is securely fastened.

Remote Controller Battery: The remote controller requires 3 x AA batteries (not included). Open the battery compartment on the back of the controller and insert the batteries, observing correct polarity.

2. Propeller Installation

Attach the propellers to the corresponding motor shafts. Ensure that propellers marked 'A' are installed on 'A' motors and 'B' on 'B' motors. Use the provided screwdriver to secure them if necessary.

3. App Installation and Connection

Download the official XiaoXIN drone application from your smartphone's app store. The app is compatible with Android 5.0 and above, and iOS 8.0 and above.

Applicable mobile phone system

Android 5.0 above, iOS 8.0 above

Android 5.0 above

IOS 8.0 above



Image: Illustrates the minimum mobile operating system requirements for the drone's companion app: Android 5.0+ and iOS 8.0+.

Connecting to the Drone's WiFi:

1. Power on the drone.
2. On your smartphone, go to WiFi settings and connect to the drone's 5G WiFi network.
3. Open the drone application. If you have trouble connecting, try turning the drone and app off and on again several times.
4. *Note:* Ensure your smartphone supports a 5G WiFi signal. Avoid areas with many WiFi options to minimize signal

interference.

4. GPS Calibration

For optimal GPS performance, fly the drone outdoors in open areas. Ensure that at least 8 satellites are received by the drone before flight. If the APP cannot control the drone, calibration may be required until the indicator lights stop flashing.

OPERATING INSTRUCTIONS

1. Pre-flight Checklist

- Ensure drone and remote controller batteries are fully charged.
- Propellers are correctly installed and secure.
- Drone is connected to the mobile app via 5G WiFi.
- Fly in an open area, away from obstacles, people, and animals.
- Check weather conditions; avoid flying in strong winds or rain.

2. Take-off and Landing

The drone supports one-key take-off and landing for ease of use. Press the designated button on the remote controller or within the app to initiate these actions.

3. Flight Modes

- **GPS Positioning:** Utilizes GPS satellites for precise outdoor positioning and stable hovering.
- **Optical Flow Positioning:** Uses a downward-facing camera to maintain position, especially useful indoors or when GPS signal is weak.
- **Headless Mode:** Simplifies flight by eliminating the need to orient the drone. The drone's front will always be the direction the pilot is facing.

4. Advanced Features

- **Waypoint Flight:** Tap points on the app's map interface, and the drone will automatically fly along the specified path.
- **Point of Interest:** Select a central point, and the drone will circle around it, maintaining a set distance and altitude.
- **Follow Function:** The drone will automatically track and follow a designated subject (e.g., a person), capturing video from a unique aerial perspective.
- **Gesture Control:** Perform specific hand gestures to trigger actions like taking photos or starting video recording. Refer to the APP Instruction manual for specific gestures.

5. Camera Operation

The drone is equipped with an 8K dual camera system, allowing for high-resolution photo and video capture. The remote control angle for the camera is 75 degrees.



Image: Detail of the drone's 8K dual camera, illustrating its 75-degree remote control angle for flexible shooting. Utilize the 5G WiFi FPV (First Person View) to see the drone's camera feed in real-time on your smartphone, with a transmission distance of up to 300m.



① Front camera "head-up angle"



② Bottom lens "overview angle"

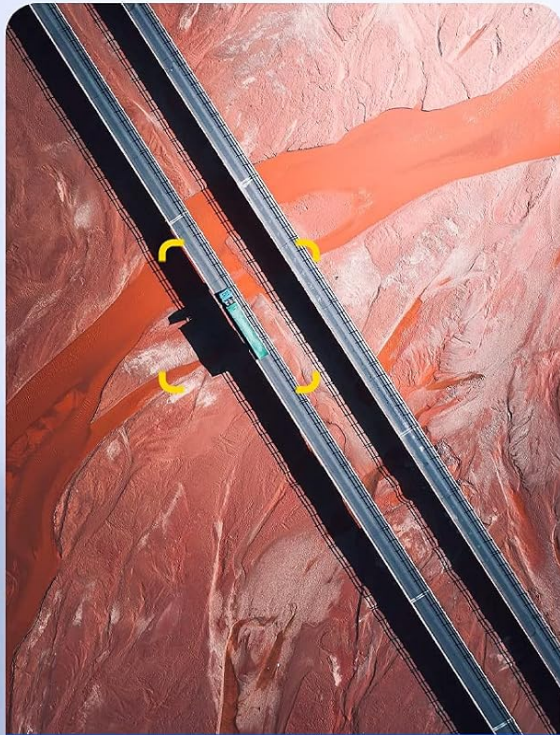
8K witness the wonderful life



Image: Examples of high-resolution aerial photography captured by the drone's 8K camera, showcasing its ability to record detailed scenes. The camera also features a 50x digital zoom, allowing you to adjust the framing from a distance without physically moving the drone closer.

50x zoom, free framing

Don't be afraid to see the vision at high altitude



0-50x zoom adjustment



Image: Illustrates the drone's 50x digital zoom function, enabling detailed framing from high altitudes.

MAINTENANCE

1. Battery Care

- Do not over-charge or over-discharge batteries.
- Do not expose batteries to high temperatures.
- Do not throw batteries into fire or water.
- Store batteries in a cool, dry place when not in use.

2. Cleaning

Gently wipe the drone and remote controller with a soft, dry cloth. Avoid using liquid cleaners or solvents that could damage electronic components.

3. Propeller Replacement

If propellers are damaged, replace them immediately with the provided spare propellers. Ensure correct 'A' and 'B' propeller placement.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Cannot connect cellphone with drone via APP.	Ensure your smartphone supports a 5G WiFi signal. Avoid areas with many WiFi options to prevent signal interference. Try turning the drone and your phone's WiFi off and on again several times.
APP cannot control the drone.	The drone may need to be calibrated. Perform calibration until the indicator lights stop flashing.
APP cannot show the camera picture.	Ensure you have downloaded the correct official APP. Confirm that your phone maintains the WiFi connection to the drone. The mobile phone system version might be too low or too high, causing incompatibility. Try another mobile phone if possible.
GPS function not working optimally.	Fly the drone outside in open places and ensure at least 8 satellites are received.

SPECIFICATIONS

Feature	Detail
Model Number	XiaoXIN D2308HTBERM13881GY-2
Brand	XiaoXIN
Remote Control Frequency	2.4G
Control Distance (Free Interference)	About 500m
Remote Controller Battery	3 x AA battery (not Included)
Camera	8K Dual Camera
FPV Transmission	5G WiFi (up to 300m)
Positioning Systems	GPS, Optical Flow Positioning
Motor Type	Brushless Motor
Gyroscope	6-axis
Product Dimensions (L x W x H)	24 x 17 x 7.5 cm
Package Weight	533g

Note: All data is for reference only and may vary based on operating conditions.

Safety Guidelines

Always operate the drone responsibly and safely. Adhere to local regulations regarding drone flight. Avoid flying near airports, restricted airspace, or large crowds. Maintain visual line of sight with the drone at all times. Do not fly under the influence of alcohol or drugs. Respect privacy and do not record individuals without their consent.

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Name

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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