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> K101MAX Drone with Camera for Adults 2K HD, Quad Air Drone with FPV Live Video for Beginners, Foldable Mini Drone with Optical Flow Positioning, Three-way Obstacle Avoidance Function, ESC camera, Best Drones for Kids as Birthday Gifts(Black)

MINGPINHUIUS K101MAX

K101MAX Drone Instruction Manual

Model: K101MAX

1. INTRODUCTION

The K101MAX Drone is a versatile quadcopter designed for both beginners and experienced users, featuring a 2K HD camera, FPV live video, optical flow positioning, and three-way obstacle avoidance. This manual provides essential information for safe and effective operation of your drone.

2. WHAT'S IN THE BOX

Carefully unpack all components and ensure everything listed below is present:

- Drone x1
- Remote Control x1
- Battery x2
- Charging Cable x1
- Screwdriver x1
- Protective Cover x1
- Spare Propeller x4
- Carrying Case x1



Image: Overview of all K101MAX Drone package contents.

3. SETUP GUIDE

3.1. Remote Control Battery Installation

Insert 3 AAA batteries (not included) into the remote control, ensuring correct polarity. The negative electrode should align with the spring.



Image: Step-by-step guide for installing batteries into the drone's remote control.

3.2. Drone Preparation

Unfold the drone arms carefully before flight. Ensure they click into place securely.

BEFORE USE PLEASE CALIBRATE THE DRONE

1. Remote control to connect the drone
2. Calibrate the drone



Image: Demonstrating the unfolding of the drone's arms.

3.3. Calibration

Calibration is required before each use to ensure stable flight. Follow these steps:

1. Connect the remote control to the drone.
2. Calibrate the drone as per the instructions in the video below.



2K ESC Dual Camera

Enjoy High-quality photos and HD videos



Vs

Image: Visual guide for drone calibration using the remote control.

3.4. App Connection (FPV Live Video)

To utilize FPV (First Person View) and advanced features, connect your smartphone to the drone's Wi-Fi network. Download the official drone application from your device's app store.

Your browser does not support the video tag.

Video: Comprehensive usage instructions for the K101MAX Drone, including charging, unfolding, battery installation, calibration, flight environment considerations, one-key ascend, 360-degree roll, optical flow positioning, headless mode, triple obstacle avoidance, one-key landing, and app connection for FPV.

4. OPERATING INSTRUCTIONS

4.1. Flight Environment

For optimal performance and safety, operate the drone in an open area free from interference. Ensure the remote control is within 100 meters of the drone, and Wi-Fi control is within 50 meters. Maintain a minimum altitude of 30 cm

from the ground.

Three Directions Obstacle Avoidance



Image: Recommended outdoor flight environment for the drone.

4.2. Key Flight Features

- **One-Key Ascend/Landing:** Press the dedicated button on the remote control for automatic takeoff or landing.
- **360° Roll:** Execute impressive aerial stunts with a single button press.
- **Optical Flow Positioning (Altitude Hold):** The drone uses optical flow sensors to maintain a stable hover at a set altitude, making it easier for beginners to control.
- **Three-way Obstacle Avoidance:** Equipped with sensors to detect and avoid obstacles from multiple directions, enhancing flight safety.
- **Headless Mode:** Eliminates the need to adjust the drone's position before flight, as the forward direction is always the direction the pilot is facing.
- **FPV Transmission:** View real-time video feed from the drone's camera directly on your smartphone via Wi-Fi.

Altitude Hold

Optical Flow Hover Make Flight More Stable,
Good News for Beginners



Image: Illustration of the drone's three-way obstacle avoidance system.

2K dual camera / obstacle avoidance version batteries*2



Drone*1



Remote control*1



Battery*2



Accessories



Wind blade*4/guard*4



Storage bag*1



Gift box*1

Image: The drone utilizing its Altitude Hold function for stable flight.

4.3. Advanced Features

- **Waypoints Fly:** Plan a custom flight path on the app interface, and the drone will automatically follow it.



Image: Drone executing a Waypoints Fly mission.

- **2 Speed Modes:** Adjust flight speed to suit your skill level or environmental conditions.



Image: Demonstrating the drone's two speed modes.

- **Gravity Control:** Control the drone's flight by tilting your smartphone, leveraging its internal gravity sensor.



Image: User controlling the drone via Gravity Control on a smartphone.

- **Gesture Control:** Perform specific hand gestures to trigger photo or video recording.



Image: Demonstrating Gesture Control for drone photography.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your K101MAX Drone:

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals.
- **Propellers:** Inspect propellers for any damage (cracks, bends) before each flight. Replace damaged propellers immediately using the spare parts provided.
- **Batteries:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge them to about 50% capacity.
- **Storage:** When not in use, store the drone in its carrying case to protect it from dust and physical damage.

6. TROUBLESHOOTING

If you encounter issues with your K101MAX Drone, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Low battery in remote control or drone; not paired correctly.	Charge drone battery, replace remote control batteries. Re-pair the remote control and drone.
Unstable flight/driftting.	Improper calibration; damaged propellers; strong wind.	Perform calibration again. Check and replace damaged propellers. Fly in calm conditions.
FPV image lag/disconnection.	Weak Wi-Fi signal; too far from drone; app issue.	Ensure you are within Wi-Fi range (50m). Close and restart the app. Check for app updates.
Obstacle avoidance not working.	Sensors are dirty or blocked; feature is disabled.	Clean sensors. Ensure obstacle avoidance is enabled in the app or via remote control.

7. SPECIFICATIONS

Feature	Detail
Brand	MINGPINHUIUS
Model Name	K101MAX
Video Capture Resolution	720p (2K for still images)
Connectivity Technology	Wi-Fi
Skill Level	Beginner
Item Weight	0.6 Kilograms (1.32 pounds)
Control Type	Remote Control
Media Type	SD

Feature	Detail
Material	Plastic
Batteries	2 Lithium Ion batteries required (included)
Product Dimensions	9.25"L x 8.46"W x 1.97"H
Optical Sensor Technology	Optical Flow

8. WARRANTY AND SUPPORT

We are committed to providing excellent customer service and warranty support for your K101MAX Drone. If you have any questions, require technical assistance, or need to inquire about warranty service, please do not hesitate to contact us. Our support team is ready to assist you.

Your browser does not support the video tag.

Video: Information regarding warranty service and how to contact support for the K101MAX Drone.