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AUHIFVAX K10 Max

AUHIFVAX K10 Max Drone User Manual

4K High-Definition Three Camera Optical Flow Positioning Foldable Quadcopter

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your AUHIFVAX K10 Max Drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury. The K10 Max is a foldable quadcopter equipped with a 4K high-definition camera and optical flow positioning for stable flight and professional aerial photography.

2. SAFETY INFORMATION

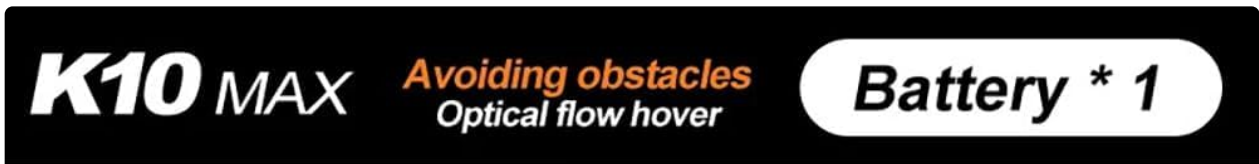
- **Flight Environment:** Operate the drone in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only the provided charging cable and battery. Do not overcharge or puncture the battery. Discontinue use if the battery shows signs of swelling or damage.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Ensure propellers are securely attached before each flight.
- **Legal Compliance:** Be aware of and comply with all local laws and regulations regarding drone operation, including airspace restrictions and privacy concerns.
- **Age Recommendation:** This product is not a toy. Recommended for users aged 14 and above.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- AUHIFVAX K10 Max Drone (1)
- Remote Control (1)
- Rechargeable Battery (1)
- USB Charging Cable (1)

- Spare Wind Blades (4)
- Protective Frames (4)
- Screwdriver (1)
- Instruction Manual (2, for different languages)
- Storage Bag (1)



Wind blade * 4



Protective frame * 4



Charging cable * 1



Screwdriver * 1



Remote control * 1

ESC three camera



Instructions * 2



Storage bag * 1



Battery * 1

Image: Contents of the AUHIFVAX K10 Max Drone package, including the drone, remote control, battery, charging cable, spare propellers, protective frames, screwdriver, and storage bag.

4. PRODUCT OVERVIEW

The AUHIFVAX K10 Max Drone features a compact, foldable design for portability. It integrates a 4K high-definition camera system with optical flow positioning for stable flight and clear imaging. The drone is designed for ease of use, offering various intelligent flight modes.



Image: The AUHIFVAX K10 Max Drone in its folded, compact state, highlighting its portability.

Key Features:

- **4K High-Definition Camera:** Captures clear photos and videos.
- **Three Camera System:** Includes an optical flow positioning camera for enhanced stability.
- **Optical Flow Positioning:** Provides stable hovering indoors and outdoors.
- **360° Intelligent Obstacle Avoidance:** Helps prevent collisions.
- **Foldable Design:** Easy to transport and store.
- **Altitude Hold Mode:** Maintains a consistent altitude for stable flight.
- **Headless Mode:** Simplifies control by eliminating the need to orient the drone.
- **One Key Return:** Automatically brings the drone back to its takeoff point.
- **Track Flight:** Allows drawing a flight path on the app for autonomous flight.
- **360° Roll:** Performs aerial stunts with a single button.

RICH INTELLIGENCE, SMOOTH EXPERIENCE

One click takeoff and landing/return



Easy to control with one click, beginners can get started in seconds.

headless mode



No need to identify direction, helping you easily control.

Image: The AUHIFVAX K10 Max Drone demonstrating optical flow hovering for stable flight in both indoor and outdoor environments.



OPTICAL FLOW POSITIONING HOVERING

Increase stability in flight, novice "second to learn"



FOUR WAY INTELLIGENT OBSTACLE AVOIDANCE

Refusing to collide and paving the way for you ahead

15 MINUTE ENDURANCE

Modular lithium battery technology, after flying several laps, there is still half of the battery left



Image: Visual representation of the drone's intelligent features, including one-click takeoff/landing, headless mode, optical flow positioning, four-way intelligent obstacle avoidance, and modular battery design.

5. SETUP

5.1. Battery Charging and Installation

1. Connect the provided USB charging cable to the drone battery and a suitable USB power source (e.g., computer, USB wall adapter).
2. The battery indicator will show charging status. Once fully charged, disconnect the cable.
3. Insert the charged battery into the drone's battery compartment until it clicks securely into place.

5.2. Propeller and Protective Frame Installation

1. Unfold the drone arms carefully.
2. Attach the protective frames to each motor arm by snapping them into place.
3. If replacing propellers, ensure correct orientation (A and B propellers) and secure them with the provided screwdriver.

5.3. Remote Control Setup

1. Install batteries (not specified, typically AA or AAA) into the remote control.
2. Mount your smartphone onto the remote control holder.

5.4. App Connection (Wi-Fi)

1. Download the designated drone control app from your smartphone's app store.
2. Power on the drone and the remote control.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named 'K10 Max' or similar).
4. Open the drone control app. The app should automatically connect to the drone, displaying a live video feed.

6. OPERATING INSTRUCTIONS

Familiarize yourself with the remote control layout and functions before your first flight.

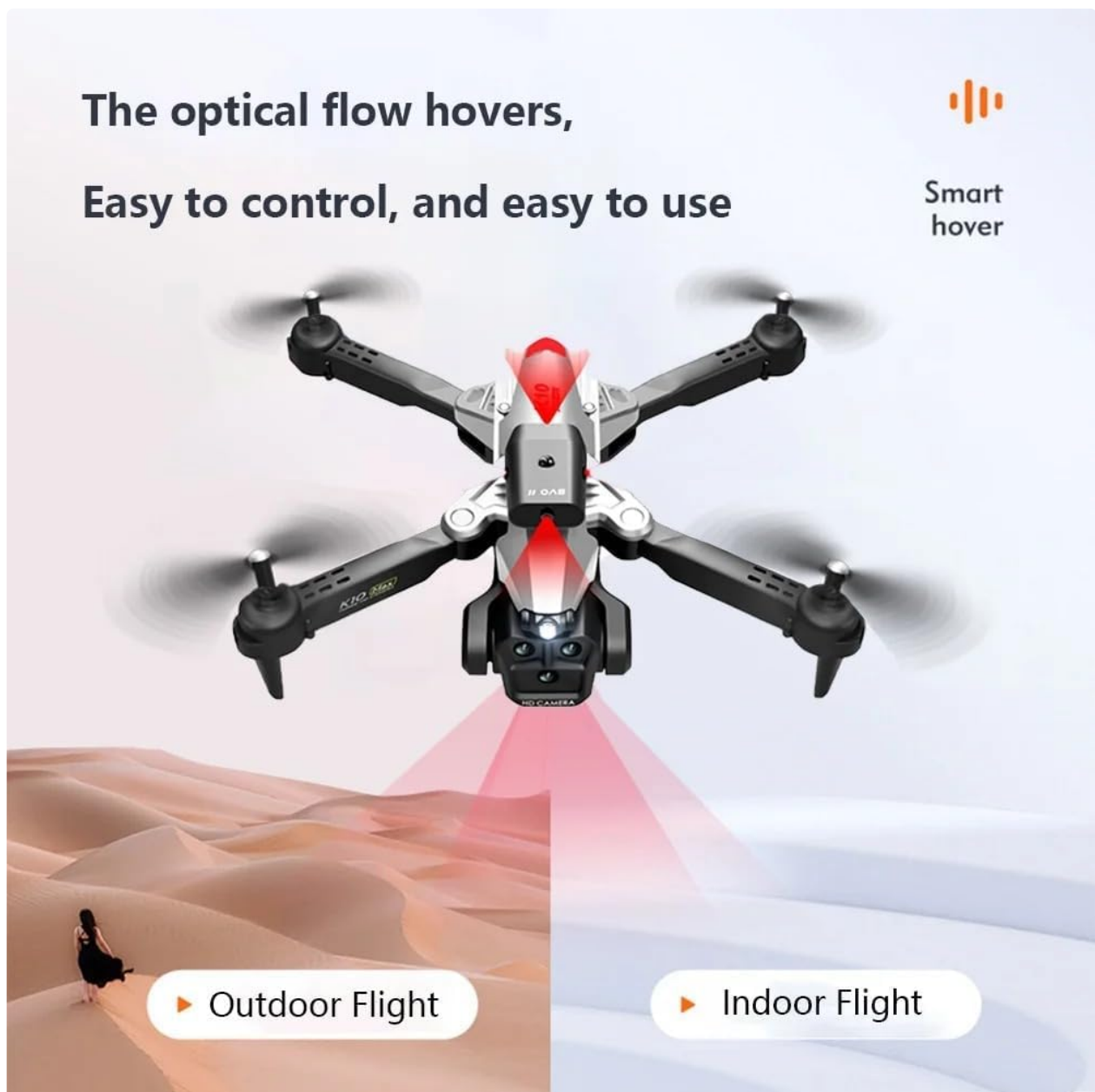


Image: Detailed layout of the AUHIFVAX K10 Max Drone remote control, indicating functions such as high/low speed

switching, obstacle avoidance switch, one-click takeoff, throttle, headless mode, 360° roll, trim adjustments, and power switch.

6.1. Basic Flight Controls

- **Power On/Off:** Press and hold the power button on the drone and remote control.
- **Pairing:** After powering on, push the left joystick up then down to pair the remote with the drone.
- **One-Key Takeoff/Landing:** Press the designated button on the remote or in the app for automatic takeoff or landing.
- **Throttle (Left Joystick Up/Down):** Controls altitude.
- **Direction (Right Joystick):** Controls forward, backward, left, and right movement.
- **Yaw (Left Joystick Left/Right):** Rotates the drone left or right.
- **Trim Adjustments:** Use the trim buttons to fine-tune the drone's stability if it drifts.

6.2. Special Flight Modes

- **Altitude Hold Mode:** The drone automatically maintains its current altitude, allowing you to focus on directional control.
- **Headless Mode:** When activated, the drone's front direction is always relative to the pilot, regardless of its actual orientation.
- **One Key Return:** Press this button to initiate an automatic return to the takeoff point. Ensure a clear path.
- **Track Flight:** In the app, draw a desired flight path on the screen, and the drone will follow it autonomously.
- **Orbital Motion:** The drone can fly in a circle around a designated point, capturing unique video angles.
- **360° Roll:** Press the 360° roll button and move the right joystick in a direction to perform an aerial flip.
- **Obstacle Avoidance:** The drone features 360° intelligent obstacle avoidance to detect and prevent collisions.

360 ° roll One click stunt

Cool and versatile,
eye-catching.



Image: The AUHIFVAX K10 Max Drone performing a 360-degree roll, demonstrating its stunt capabilities.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lenses. Avoid using liquids or solvents.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the provided spare parts and screwdriver.
- **Battery Care:** Store batteries in a cool, dry place. Do not leave batteries fully discharged for extended periods.
- **Storage:** When not in use, fold the drone and store it in its protective storage bag to prevent damage.

8. TROUBLESHOOTING

- **Drone not responding to remote:** Ensure both drone and remote are powered on and properly paired. Check remote control batteries.
- **Unstable flight/drift:** Perform a gyroscope calibration (refer to app or quick start guide for specific steps). Adjust trim settings. Check for damaged propellers.

- **No video feed in app:** Ensure your smartphone is connected to the drone's Wi-Fi network. Restart the app and drone.
- **Short flight time:** Ensure the battery is fully charged. Battery performance may degrade over time.
- **Obstacle avoidance not working:** Ensure the obstacle avoidance feature is enabled (if applicable via remote or app). Ensure sensors are clean and unobstructed.

9. SPECIFICATIONS

Feature	Specification
Brand	AUHIFVAX
Model Name	K10 Max
Video Capture Resolution	4K (4096*2160)
Camera Integration	Camera Included (Three Camera System)
Connectivity Technology	APP Controller, Remote Control, Wi-Fi Connection
Control Channels	4 channels
Flight Time	Approximately 12 minutes
Drone Weight	110g (0.24 lbs)
Max Takeoff Weight	<1kg
Max Wind Speed Resistance	<10km/h
Product Dimensions (Folded)	Approx. 9.4"L x 9.4"W x 2.8"H
Material	Plastic
Skill Level	All
Special Features	360 Degree Flip, Auto Follow, One key return, Fly around in a circle, Optical flow positioning hover, 360° intelligent obstacle avoidance

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase documentation or visit the official AUHIFVAX website. Keep your purchase receipt as proof of purchase for any warranty claims.

