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› QAONIE K6 Max Drone User Manual

QAONIE K6 Max

QAONIE K6 Max Drone User Manual

Model: K6 Max

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your QAONIE K6 Max Drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury.

Safety Guidelines

- Operate the drone in open areas, away from people, animals, buildings, and obstacles.
- Maintain a safe distance from the drone during flight.
- Do not operate in strong winds or adverse weather conditions.
- Ensure all batteries are fully charged before each flight.
- Regularly inspect the drone and controller for any damage.
- Adhere to local regulations regarding drone operation.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- QAONIE K6 Max Drone
- Screen Controller
- Lithium Ion Batteries (3 included)
- Propellers (Spare set)
- USB Charging Cable
- SD Card
- Handbag
- Screwdriver



Figure 2.1: Contents of the QAONIE K6 Max Drone package, including the drone, screen controller, three batteries, spare propellers, SD card, and a carrying handbag.

3. COMPONENTS OVERVIEW

3.1 Drone

- **Brushless Motors:** Provide stable flight and high wind resistance.
- **Propellers:** Generate lift for flight.
- **Camera:** 4K video capture resolution, 1920x1080 pixels video output, JPEG image format. Features electrically adjustable lens and wide-angle view.
- **Optical Flow Sensor:** Assists with stable hovering, especially indoors.
- **Obstacle Avoidance Sensors:** Four-way sensing for detecting and avoiding obstacles.

- **Battery Compartment:** Houses the drone's flight battery.

With screen
Remote control

**QAONIE
K6 - MAX
Drone**

Electrically adjustable lens

Brushless obstacle avoidance

Optical flow positioning

Upgradation
Stable and fast transmission

The image is a promotional graphic for the QAONIE K6-MAX Drone. It features a hand holding a black remote control in the foreground, with a small screen displaying a sunset. The drone is shown in flight in the background, with its four propellers and camera visible. The text is arranged around the drone and remote, highlighting key features like the electrically adjustable lens, brushless obstacle avoidance, optical flow positioning, and a screen on the remote control. The overall design is sleek and modern, with a focus on the drone's capabilities.

Figure 3.1: The QAONIE K6 Max Drone, illustrating its electrically adjustable lens, brushless obstacle avoidance, and optical flow positioning capabilities.



Figure 3.2: The K6 Max Drone's brushless motors, designed for enhanced power, stability, and wind resistance during flight.

3.2 Screen Controller

- **Control Sticks:** For flight direction and altitude control.
- **Integrated Screen:** Displays live video feed and flight information.
- **Function Buttons:** One-key takeoff/landing, return to home, speed modes, photo/video capture.
- **Battery:** Internal rechargeable battery.
- **Phone Holder:** Allows for optional smartphone integration for dual-screen viewing or alternative control.

QAONIE

Novel remote control with screen

Upgrade the remote control with a screen, no need for a mobile phone, Easy viewing of aerial footage, more user-friendly.



Figure 3.3: The QAONIE K6 Max Drone's screen controller, featuring an integrated display for direct viewing of aerial footage.



Figure 3.4: The K6 Max Drone controller demonstrating the optional phone holder for dual-screen viewing and real-time transmission.

4. SETUP

4.1 Charging Batteries

1. Connect the drone batteries and the controller to a USB power source using the provided charging cable.
2. Charging indicators will show the charging status. Ensure all batteries are fully charged before first use.

4.2 Installing Drone Battery

1. Ensure the drone is powered off.
2. Insert a fully charged battery into the drone's battery compartment until it clicks into place.

4.3 Propeller Installation

1. Identify propellers marked 'A' and 'B'.
2. Match 'A' propellers to 'A' motor shafts and 'B' propellers to 'B' motor shafts.
3. Securely attach propellers using the provided screws and screwdriver. Ensure they are firmly in place.

4.4 SD Card Installation

1. Locate the SD card slot on the drone.
2. Insert the provided SD card into the slot until it clicks. This card stores photos and videos.

5. OPERATING INSTRUCTIONS

5.1 Power On and Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights turn on.
3. Power on the screen controller. The controller will automatically attempt to pair with the drone.
4. Once paired, the drone's indicator lights will become solid, and the controller screen will display a live feed.

5.2 Pre-Flight Calibration

1. Perform gyroscope calibration by moving both control sticks to the bottom-left or bottom-right corners simultaneously (refer to controller diagram for exact stick positions).
2. Perform compass calibration as instructed by the controller or manual. This typically involves rotating the drone horizontally and vertically.

5.3 Basic Flight Controls

- **One-Key Takeoff/Landing:** Press the designated button on the controller for automatic takeoff or landing.
- **Altitude Control:** Use the left control stick (throttle) to ascend or descend.
- **Directional Control:** Use the right control stick to move the drone forward, backward, left, or right.
- **Rotation:** Use the left control stick (yaw) to rotate the drone left or right.
- **Hovering:** The optical flow localization system assists in maintaining a stable hover, especially indoors.



Figure 5.1: The K6 Max Drone utilizing optical flow positioning for stable hovering, suitable for both indoor and outdoor environments.

5.4 Advanced Features

- **Active Obstacle Avoidance:** The drone is equipped with four-way sensors to detect and avoid obstacles automatically during flight. This feature enhances flight safety.
- **Waypoint Fly:** Utilize the controller interface to set specific waypoints for the drone to follow a pre-programmed flight path.

- **Camera Operation:**

- **Photo Capture:** Press the photo button on the controller to take a still image.
- **Video Recording:** Press the video button to start/stop recording.
- **Adjustable Lens:** Use the designated button or dial on the controller to adjust the camera's angle.



Figure 5.2: The K6 Max Drone demonstrating its four-way intelligent obstacle avoidance system, designed to detect and prevent collisions.



Figure 5.3: Illustration of the K6 Max Drone's electric dual cameras, demonstrating vertical, landscape, and top-down shooting capabilities with adjustable remote control angle and wide-angle view.

6. MAINTENANCE

6.1 Cleaning

- Use a soft, dry cloth to clean the drone and controller.
- Do not use liquid cleaners or solvents.
- Ensure camera lens is clean for optimal image quality.

6.2 Battery Care

- Store batteries in a cool, dry place.
- Do not overcharge or over-discharge batteries.

- If not used for an extended period, charge batteries to approximately 50% capacity.

6.3 Storage

- When not in use, store the drone and controller in the provided handbag to protect them from dust and damage.
- Remove batteries from the drone if storing for long periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Controller does not pair with drone.	Drone or controller not powered on; out of range; interference.	Ensure both devices are on. Move closer. Restart both devices.
Drone drifts during flight.	Improper calibration; strong wind.	Perform gyroscope and compass calibration. Avoid flying in windy conditions.
Poor video quality or no recording.	SD card full or not inserted; camera lens dirty.	Check SD card. Clean camera lens.
Controller screen freezes.	Software glitch.	Power off and restart the controller. If persistent, contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	QAONIE
Model Name	K6 MAX
Dimensions (Folded)	5.3"L x 6.1"W x 2.7"H (approximate, based on image)
Dimensions (Unfolded)	9.45"L x 9.45"W x 2.7"H (approximate, based on image)
Item Weight	6.4 ounces
Video Capture Resolution	4K
Video Output Resolution	1920x1080 Pixels
Connectivity Technology	Bluetooth, Wi-Fi, RF
Motor Type	Brushless

Feature	Detail
Obstacle Avoidance	Active, Four-way sensing
Positioning System	Optical Flow Localization
Battery Type	Lithium Ion
Manufacturer	Shantou Huashun Intelligent Technology Co., Ltd
UPC	762736841929



Figure 8.1: Dimensions of the K6 Max Drone in both folded and unfolded configurations.

9.1 Warranty Information

Specific warranty details are typically provided with your purchase documentation or on the manufacturer's official website. Please refer to those resources for comprehensive warranty terms and conditions.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact QAONIE customer support through the retailer where the product was purchased or refer to the contact information provided in your product packaging.

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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

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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