

## Bewinner K16MAX

# Bewinner K16MAX Brushless Motor Drone User Manual

Model: K16MAX (Bewinnerm6shxot593-12)

## INTRODUCTION

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This manual provides essential instructions for the safe operation, setup, and maintenance of your Bewinner K16MAX Brushless Motor Drone. Please read this guide thoroughly before operating the drone to ensure proper function and to prevent damage.

## SETUP

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### Package Contents

Verify that all items are present in the package:

- 1 x Bewinner K16MAX Drone
- 1 x Remote Control with Integrated Screen
- 4 x Airfoils (Propellers)
- 2 x Charging Cables
- 1 x Screwdriver
- 1 x Card Reader
- 4 x Accessories (unspecified, refer to product packaging)
- 3 x Instruction Manuals (this document being one)
- 1 x Storage Box



Image: Complete package contents including the drone, remote, propellers, cables, and storage case.

## Battery Installation and Charging

The drone and remote control are equipped with built-in Li-ion batteries. Ensure both are fully charged before first use.

- **Drone Battery:** The drone uses an 1800mAh Li battery. Insert the modular battery into the drone's designated compartment.
- **Remote Control Battery:** The remote control uses a 1500mAh Li battery.

Use the provided charging cables to charge the drone and remote control. Connect the cable to a suitable USB power source. The charging indicator will show the charging status.

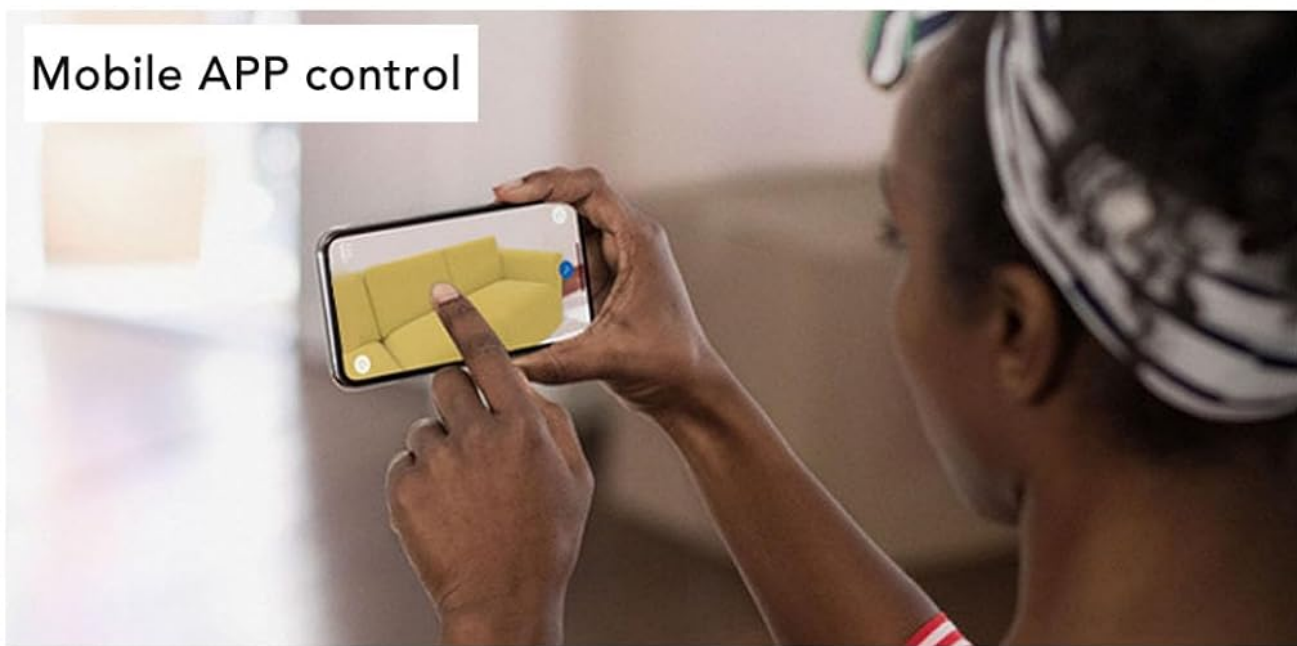
1 click takeoff and landing,  
return



Headless mode



Mobile APP control



Modular battery

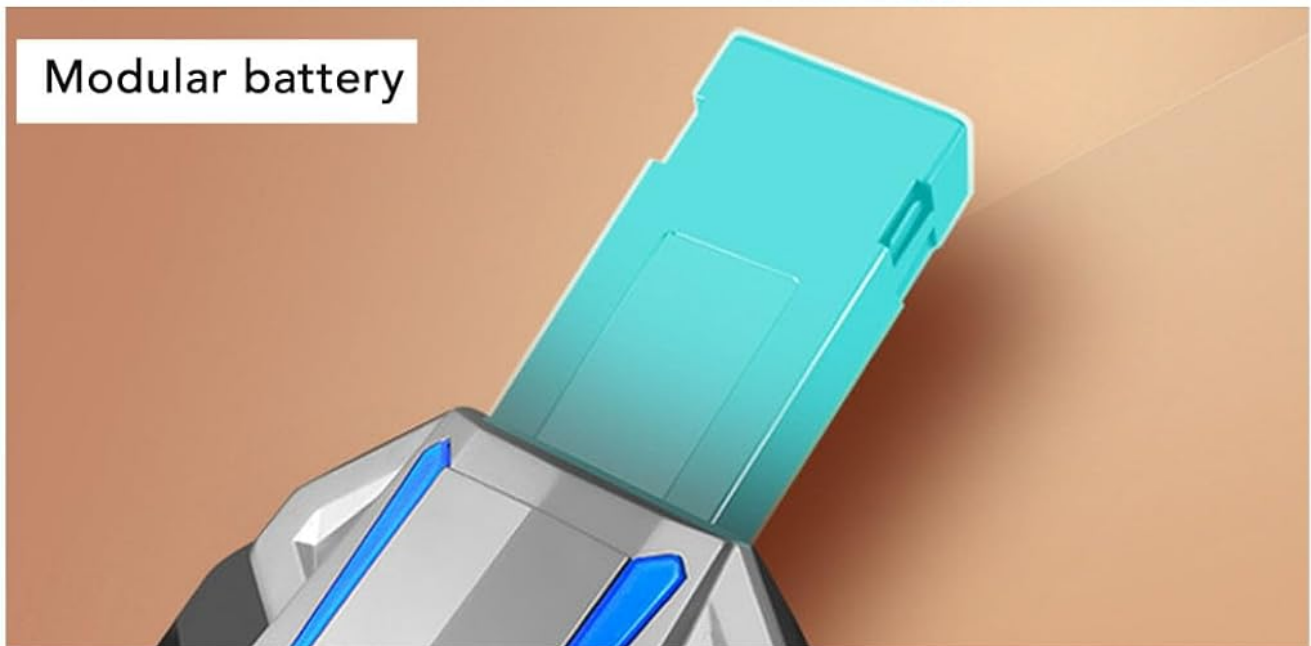


Image: A close-up of the modular battery being inserted into the drone's body.

## Propeller Installation

Attach the propellers to the motor shafts as indicated in the manual. Ensure they are securely fastened. Incorrect propeller installation can affect flight stability and safety.

## Drone Unfolding

Gently unfold the drone's arms until they click into place. Ensure all arms are fully extended and locked before flight.



Image: The Bewinner K16MAX drone in its compact, folded state.



Image: The Bewinner K16MAX drone with its arms unfolded, ready for flight.

## OPERATING INSTRUCTIONS

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### Remote Control Overview

The remote control features an integrated screen for real-time flight data and camera view, eliminating the need for a separate smartphone. Familiarize yourself with the button layout before flight.



Image: Detailed diagram of the remote control, showing the function of each button and joystick, including 1-click takeoff/landing, speed switching, obstacle avoidance switch, headless mode, camera controls, and screen recording.

## Basic Flight Operations

- **Power On:** Turn on the drone first, then the remote control. Wait for them to pair.
- **One-Click Takeoff/Landing:** Press the designated button on the remote for automatic takeoff or landing.
- **Throttle Lever:** Controls altitude. Push up to ascend, pull down to descend.
- **Direction Bar:** Controls forward, backward, left, and right movement.
- **Speed Switching:** Adjust flight speed using the speed switch button.



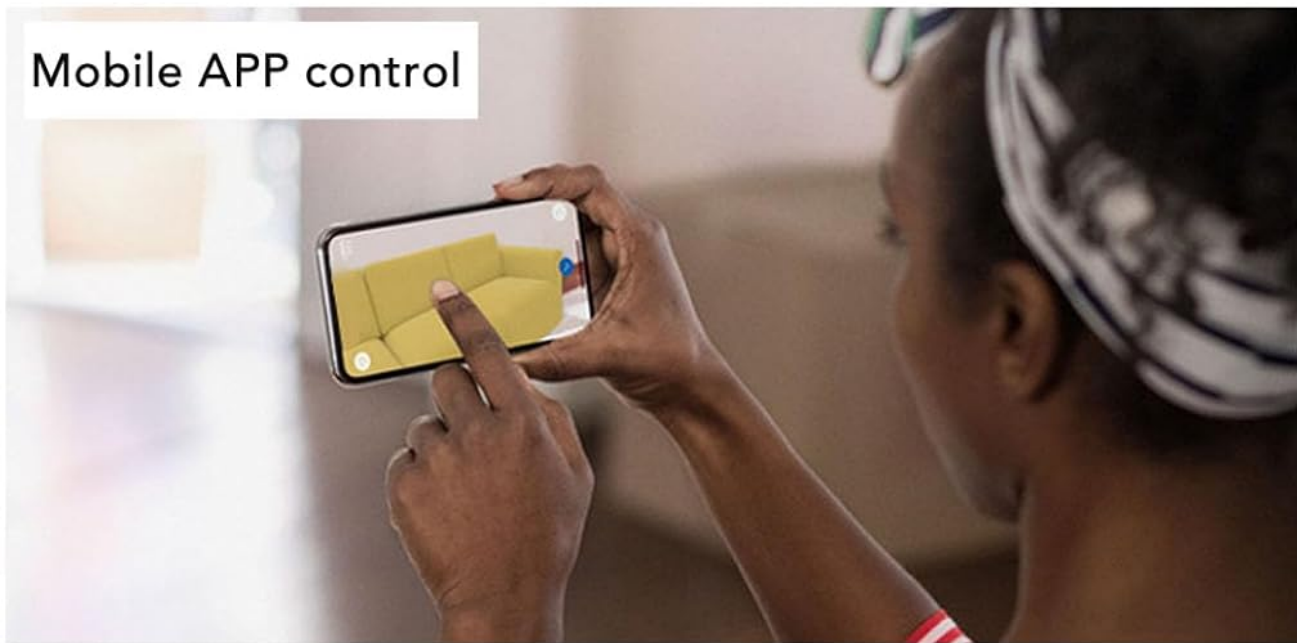
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Headless mode



Mobile APP control



Modular battery

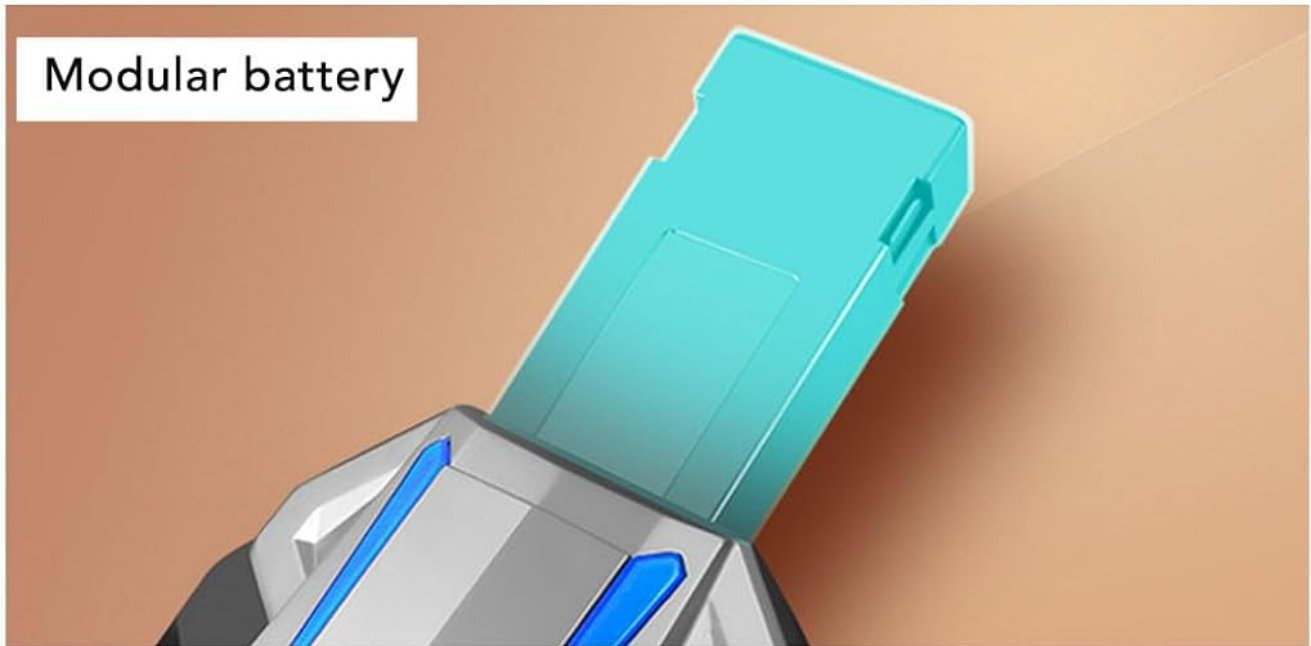


Image: Demonstrates 1-click takeoff and landing, and the drone operating in headless mode.

### Advanced Flight Features

- **Four-Way Obstacle Avoidance:** The drone is equipped with sensors to detect and avoid obstacles in four directions, enhancing flight safety.
- **Optical Flowing Hovering System:** This system provides stable hovering, especially useful for indoor flight or when GPS signal is weak.
- **Headless Mode:** In headless mode, the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **360-Degree Rolls:** Execute impressive aerial acrobatics with a single button press for 360-degree rolls.



Image: The Bewinner K16MAX drone executing a 360-degree roll during flight.

## Camera and Imaging

The drone features a 4K HD camera with an adjustable lens, supporting various shooting angles.

- **Adjustable Lens:** The camera lens can be adjusted to capture vertical, horizontal, and overhead shots.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control to take photos or record videos.
- **Beauty Filters:** Built-in beauty filters can be applied to enhance images directly.

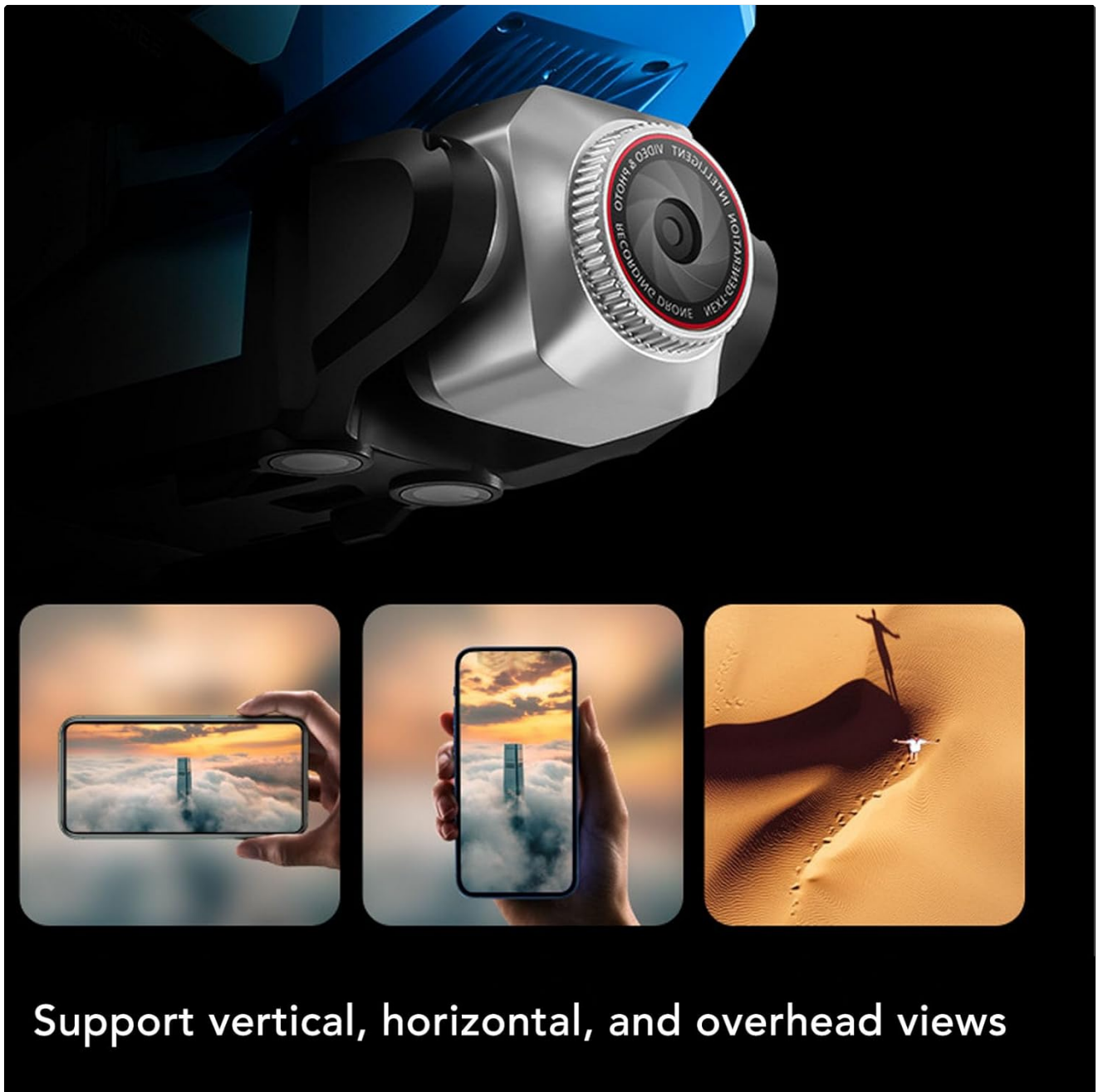


Image: Illustrates the drone's capability to support vertical, horizontal, and overhead camera views.





Image: A detailed view of the drone's camera lens, indicating a 90-degree remote control angle and a 120-degree wide angle for capturing expansive shots.

### Mobile App Control (Optional)

While the remote control has an integrated screen, the drone may also support control via a mobile application. Refer to the specific app instructions for pairing and features.

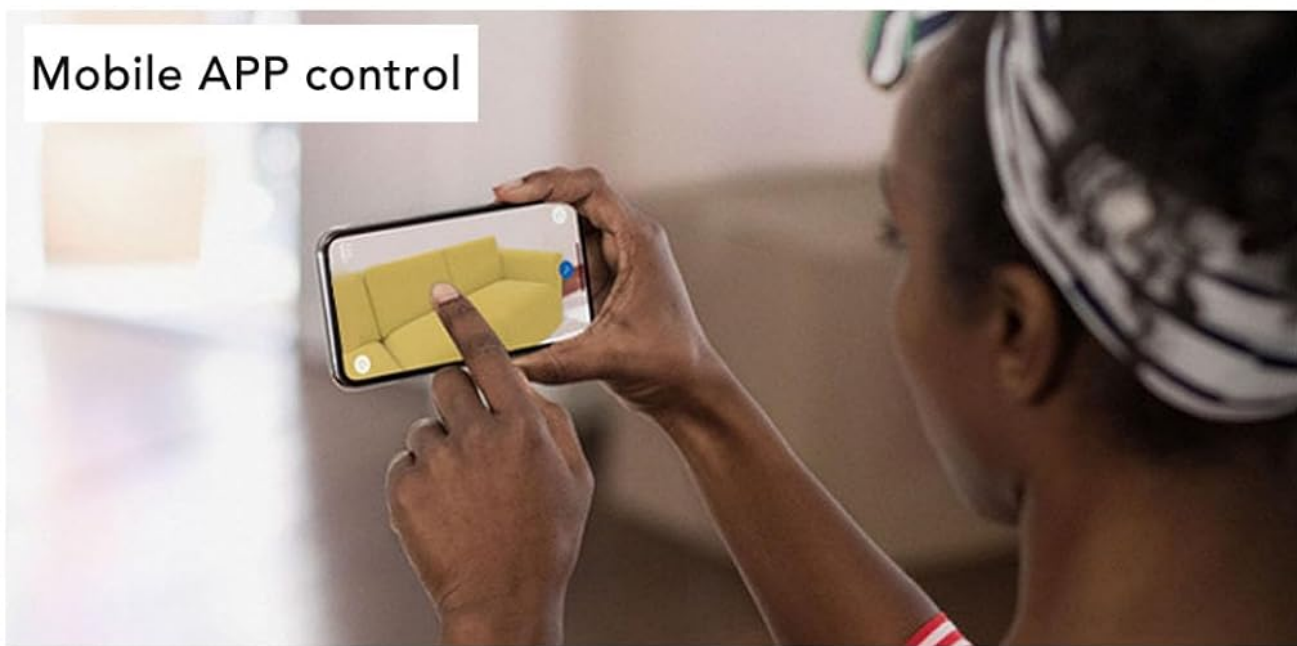
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Headless mode



Mobile APP control



Modular battery

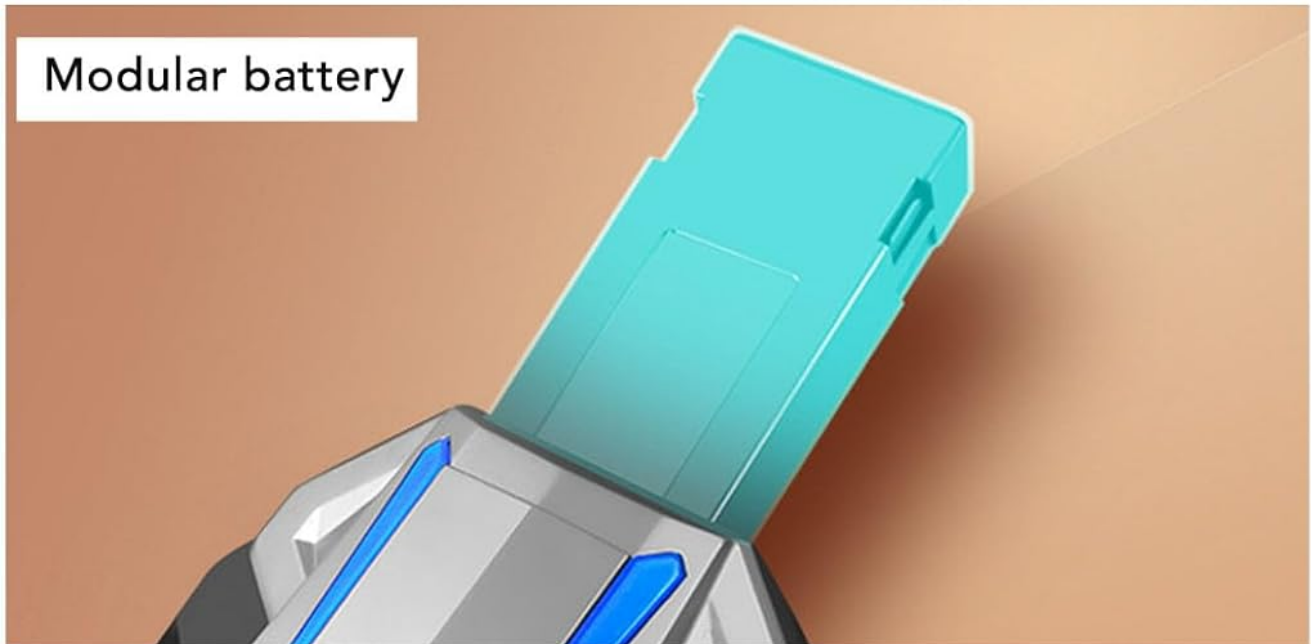


Image: A user interacting with the drone via a mobile application on a smartphone.

## Cleaning

Regularly clean the drone body, propellers, and camera lens with a soft, dry cloth. Avoid using liquids or solvents that could damage electronic components.

## Propeller Care

Inspect propellers for any damage (cracks, bends) before each flight. Replace damaged propellers immediately using the provided spares and screwdriver. Ensure propellers are installed correctly and securely.

## Battery Care

- Do not overcharge or over-discharge the batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge batteries to approximately 50-60% capacity.

## TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **Drone not responding:** Ensure both drone and remote control are powered on and paired. Check battery levels.
- **Unstable flight:** Calibrate the drone before flight. Check propellers for damage or incorrect installation. Ensure flight is in an open area free from strong winds.
- **Poor image/video quality:** Clean the camera lens. Ensure adequate lighting. Check for strong signal interference.
- **Obstacle avoidance not working:** Ensure sensors are clean and unobstructed. Fly in well-lit conditions.

For further assistance, consult the full instruction manual or contact Bewinner customer support.

## SPECIFICATIONS

Feature	Detail
Brand	Bewinner
Model Number	Bewinnerm6shxot593-12 (K16MAX)
Aircraft Battery Type	1800mAh Li Battery (built-in)
Remote Control Battery Type	1500mAh Li Battery (built-in)
Lens Type	4K Adjustable Lens (Vertical, Horizontal, Overhead)
Flying Performance	Four-Way Obstacle Avoidance, Optical Flowing Hovering System
Image Transfer Signal	2.4G WiFi
Remote Control Distance	Approx. 100m / 328.08ft
Item Weight	1.73 pounds
Product Dimensions (Unfolded)	Approx. 28cm x 25cm x 9cm (11.02 x 9.84 x 3.54 inches)
Product Dimensions (Folded)	Approx. 14.5cm x 9cm (5.71 x 3.54 inches)



Image: Dimensional diagram of the K16MAX drone, illustrating its size when folded and unfolded.

## WARRANTY AND SUPPORT

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For information regarding warranty coverage, technical support, or service, please refer to the official Bewinner website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.