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K99 zz1/6233

K99 RC Mini Drone with Camera 4K User Manual

Model: zz1/6233

1. PRODUCT OVERVIEW

The K99 RC Mini Drone is a compact and feature-rich quadcopter designed for both beginners and experienced users. It boasts a 4K dual camera system, intelligent obstacle avoidance, and various flight modes for an enhanced flying experience.



Figure 1.1: The K99 RC Mini Drone package contents, including the drone, remote controller, two rechargeable batteries, and a protective carrying case.

2. SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or sensitive installations.
- Ensure the drone's battery and remote controller's battery are fully charged before each flight.
- Perform pre-flight checks, including propeller integrity and motor function.
- Avoid flying in strong winds or adverse weather conditions.
- Keep fingers and loose clothing away from rotating propellers.
- Supervise children when they are operating the drone.
- Adhere to all local laws and regulations regarding drone operation.

3. COMPONENTS AND PARTS

The K99 RC Mini Drone package typically includes the following components:

- K99 RC Mini Drone (1 unit)
- Remote Controller (1 unit)

- Rechargeable Drone Batteries (2 units)
- USB Charging Cable (1 unit)
- Spare Propellers (set)
- Screwdriver (1 unit)
- User Manual (this document)
- Carrying Case (1 unit)

4. SETUP GUIDE

4.1 Charging the Drone Battery

Before first use, fully charge the drone batteries. Each 3.7V 1800mAh battery provides approximately 18 minutes of flight time.

1. Connect the USB charging cable to the drone battery.
2. Plug the other end of the USB cable into a 5V/2A USB power adapter (not included).
3. The indicator light on the cable will show charging status (refer to cable instructions for specific light patterns).
4. Charging typically takes 60-90 minutes per battery. Disconnect once fully charged.

_Folding design

18 minutes battery life
3.7v 1800mAh large capacity battery



Figure 4.1: The drone battery, highlighting its 18-minute flight duration and 3.7V 1800mAh capacity.

4.2 Installing Drone Battery

Insert the charged battery into the battery compartment on the back of the drone until it clicks into place.

4.3 Remote Controller Setup

Install 3x AAA batteries (not included) into the remote controller's battery compartment, observing polarity.

4.4 Propeller Installation (if required)

If propellers are not pre-installed, attach them according to the markings (A and B) on the propellers and motor arms. Ensure they are securely fastened.

4.5 Camera Configuration

The drone features a 4K HD dual camera system with a 90° adjustable angle for versatile shooting.



Figure 4.2: The drone's dual lens camera, capable of 4K HD resolution with a 90-degree adjustable viewing angle.

5. OPERATING INSTRUCTIONS

5.1 Powering 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 flash.
3. Turn on the remote controller. The remote will beep, and its indicator light will flash.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone and remote lights will become solid, indicating successful pairing.

5.2 Calibration

After pairing, perform a gyroscope calibration by pushing both joysticks down and to the right simultaneously until the drone's lights flash rapidly and then become solid.

5.3 Takeoff and Landing

- **One-Key Takeoff/Landing:** Press the one-key takeoff/landing button (usually marked with an arrow pointing up/down) to automatically take off or land.
- **Manual Takeoff:** Slowly push the left joystick (throttle) up to lift off.
- **Manual Landing:** Slowly pull the left joystick (throttle) down until the drone lands.

5.4 Flight Controls and Features

- **Altitude Hold:** The drone maintains a stable altitude automatically, making it easier to control.
- **Multi-Speed Adjustment:** The drone offers 31 different speed settings, allowing users to adjust flight speed based on skill level and environment.

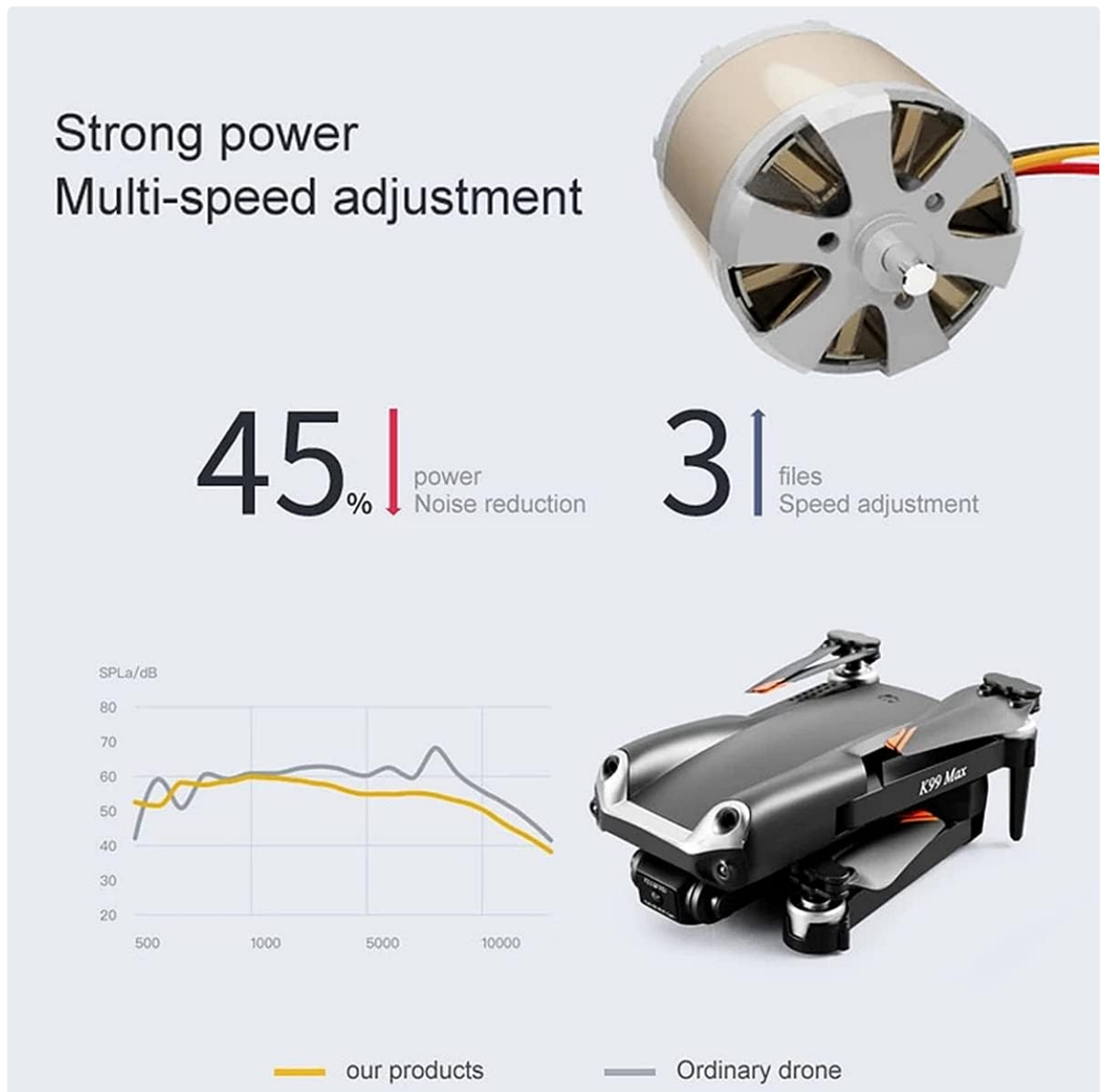


Figure 5.1: Illustration of the drone's multi-speed adjustment capability and noise reduction features.

- **Obstacle Avoidance:** Equipped with multi-directional intelligent avoidance sensors, the drone can perceive and automatically avoid obstacles within 60 cm, reducing the risk of collisions.

Multi-directional intelligent avoidance Perception within 60 cm

No longer worry about crashing and falling



Avoid obstacles automatically



Figure 5.2: The drone's intelligent obstacle avoidance system, detecting and avoiding objects within 60 cm.

- **3D Flips:** Press the 3D flip button and move the right joystick in the desired direction to perform aerial stunts.
- **Gesture Photos/Video:** Use specific hand gestures in front of the camera to trigger photo or video recording. Refer to the app for detailed gesture commands.
- **Track Flight (Trajectory Flight):** Draw a flight path on the mobile app screen, and the drone will automatically follow the designated route.
- **Smart Hover:** Utilizes air pressure technology to maintain a stable hover, improving handling and shooting stability.
- **App Control:** Connect the drone to your smartphone via Wi-Fi to access advanced features, real-time FPV (First Person View), and control the drone from up to 150 meters away.

_Folding design

One-click stage, play new tricks

Multi-directional intelligent avoidance Perception within 60 cm

Multi-directional infrared obstacle avoidance sensor. When encountering obstacles, it will automatically Avoid, let you control easier, It's easier to get started.

- Within 60 cm IntelliSense
- Multi-directional perception Intelligent obstacle avoidance
- Let novices more easy to use

Trajectory flight

Click where you want to fly!

Draw the trajectory you want to fly on the APP, Realize automatic intelligent flight.

- app control
- 150 meters distance

Smart hover, easy to use

Use air pressure technology to fly position and maintain a stable hover, Better handling, better flying, better shooting.

Suitable for outdoor flight
Suitable for indoor flight

- 1 minute to get started
- Height maintenance
- Anti-shake stabilization shooting

Figure 5.3: Various advanced flight modes including 360-degree flips, trajectory flight, intelligent obstacle avoidance, and smart hover for stable flight.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using liquids or solvents.
- **Propeller Care:** Regularly inspect propellers for damage (cracks, bends). Replace any damaged propellers immediately using the provided spare parts and screwdriver.
- **Battery Storage:** Store batteries in a cool, dry place. If storing for extended periods, charge them to about 50% capacity.
- **Motor Maintenance:** Keep motors free from dust and debris. Do not attempt to lubricate motors.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or incorrectly installed.	Ensure battery is fully charged and correctly inserted.

Problem	Possible Cause	Solution
Drone does not pair with remote.	Incorrect pairing procedure; remote batteries low.	Repeat pairing steps (Section 5.1); replace remote batteries.
Drone drifts during flight.	Not calibrated; uneven surface at takeoff.	Perform gyroscope calibration (Section 5.2) on a flat surface.
Poor camera image/video quality.	Lens dirty; insufficient lighting.	Clean camera lens; ensure adequate lighting for recording.
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged; consider replacing old batteries.

8. SPECIFICATIONS



Figure 8.1: Dimensions of the K99 RC Mini Drone in both folded and unfolded states.

Feature	Detail
Model Number	zz1/6233
Dimensions (Unfolded)	28cm x 21cm x 5cm
Dimensions (Folded)	13cm x 9cm x 5cm
Drone Battery	3.7V 1800mAh Li-Po
Flight Time	Approx. 18 minutes per battery

Feature	Detail
Camera	4K HD Dual Camera, 90° Adjustable Angle
Control Distance	Up to 150 meters (via App Control)
Obstacle Avoidance	Multi-directional, within 60 cm
Special Features	Altitude Hold, Gesture Photos/Video, 3D Flips, Track Flight, Multi-speed Adjustment, Smart Hover

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.

Please refer to the contact information provided on the product packaging or the official K99 website for the most up-to-date support details.