

## GoolRC K127

# GoolRC WLtoys XK K127 RC Helicopter Instruction Manual

Model: K127

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your GoolRC WLtoys XK K127 RC Helicopter. Please read all instructions carefully before use to ensure proper setup, flight, and maintenance. This remote control helicopter features a 4-channel design, 6-axis gyroscope, altitude hold, and one-key take-off/landing for an accessible flying experience.



Image 1.1: GoolRC WLtoys XK K127 RC Helicopter with remote control and included batteries.

## 2. WHAT'S IN THE BOX

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- 1x Helicopter
- 1x Remote Control
- 1x Instruction Manual
- 2x Propellers (Spare)
- 1x USB Charging Cable
- 3x Helicopter Batteries

## 3. PRODUCT FEATURES

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- **4-Channel Design:** Offers comprehensive control for various flight maneuvers.
- **6-Axis Gyroscope:** Provides enhanced stability and control, making it suitable for beginners.
- **Altitude Hold:** Maintains a stable hovering height using air pressure sensing, simplifying flight control.
- **One-Key Take-Off/Landing:** Simplifies starting and ending flights with a single button press.
- **Low Voltage Alarm:** Alerts the user when the battery is running low, preventing unexpected power loss.
- **Rudder Capacity Conversion:** Allows adjustment of rudder sensitivity for different flying styles.
- **Hovering Midpoint Setting:** Enables fine-tuning of the helicopter's hover position.
- **Strong Power:** Equipped with an 8520 coreless motor and a 3.7V 400mAh 20C battery for robust performance.
- **Easy to Replace Tail Motor:** Features a detachable plug for convenient maintenance.



Image 3.1: The helicopter's 4-channel control system allows for versatile flight.



# 6-AXIS GYRO

## 6-AXIS GYROSCOPE

Adopt 6-axis gyroscope, with the function of air pressure setting height, flight super stability, make the product easier to control, more suitable for novice operation.



Image 3.2: The 6-axis gyroscope provides enhanced flight stability.



Image 3.3: Altitude Hold function ensures stable hovering during flight.

## 4. SETUP

### 4.1. Remote Control Battery Installation

The remote control requires 4x AA batteries (not included). Use a small screwdriver to open the battery compartment on the back of the remote control. Insert the batteries according to the polarity markings, then close the compartment securely.

### 4.2. Charging the Helicopter Battery

The helicopter is powered by a 3.7V 400mAh 20C Li-poly battery. To charge, connect the provided USB charging cable to the helicopter's charging port (located on the side/bottom of the helicopter) and then to a USB power source (e.g., power supply adapter, computer USB port, or power bank). The charging time is approximately 35 minutes for a flight time of up to 16 minutes.

Video 4.1: Demonstration of battery insertion and removal for the micro helicopter.

### 4.3. Binding the Remote Control

To establish a connection between the remote control and the helicopter:

1. Ensure both the helicopter and remote control are powered off.
2. Place the helicopter on a flat, level surface.
3. Turn on the remote control. The power LED will blink.
4. Turn on the helicopter.
5. Push the throttle stick (left joystick) all the way up, then all the way down. The remote control's power LED will stop blinking and remain solid, indicating successful binding.

## 5. OPERATING INSTRUCTIONS

### 5.1. Remote Control Layout and Basic Controls



Image 5.1: Detailed diagram of the remote control functions.

- **Power Switch (1):** Turns the remote control on/off.
- **Power LED (2):** Indicates remote control status.
- **Joystick Control (Left - 3):** Controls altitude (up/down) and rotation (left/right).
- **Control Joystick (Right - 4):** Controls forward, backward, left side fly, and right side fly.
- **Lifting Adjustment Keys (5):** Fine-tunes vertical movement.
- **Throttle Trim Keys (6):** Adjusts throttle for stable hover.
- **Direction Trim Keys (7):** Adjusts forward/backward drift.
- **Side Flight Fine Adjustment Keys (8):** Adjusts left/right drift.
- **Rudder Conversion Changing Button (9):** Adjusts rudder sensitivity.
- **One Key Take-Off/Landing (10):** Initiates or terminates flight automatically.
- **Antenna (11):** Transmits control signals.
- **Emergency Stop (9+10):** Pressing both buttons simultaneously initiates an emergency stop.

### 5.2. Take-Off and Landing

For easy operation, use the One Key Take-Off/Landing button (10). Pressing this button once will automatically lift the helicopter to a stable hovering height. Pressing it again will initiate an automatic landing.

### 5.3. Altitude Hold

The helicopter's built-in air pressure height setting function ensures super stable flight. Once airborne, the helicopter will automatically maintain its current altitude, allowing you to focus on directional control.

### 5.4. Speed Modes

The remote control allows you to switch between different speed modes (e.g., slow and fast) for varying flight experiences. Refer to the remote control diagram for the specific button to adjust speed settings.

## 6. MAINTENANCE

### 6.1. Propeller Replacement

Your helicopter comes with spare propellers. If a propeller becomes damaged, carefully remove the damaged one and replace it with a new one, ensuring it is correctly oriented (A or B type).

### 6.2. Battery Care

- Always use the provided USB charging cable.
- Do not overcharge or over-discharge the battery.
- Store batteries in a cool, dry place away from direct sunlight and heat.
- If the helicopter will not be used for an extended period, remove the batteries from both the helicopter and the remote control.

## 7. TROUBLESHOOTING

- **Helicopter does not respond:** Ensure both the helicopter and remote control are powered on and successfully bound. Check battery levels in both devices.
- **Unstable flight/Drifting:** Use the trim keys on the remote control to fine-tune the helicopter's balance. Ensure the helicopter is placed on a flat surface before take-off.
- **Short flight time:** Ensure the battery is fully charged. Battery performance may decrease over time with repeated use.
- **Propellers not spinning:** Check for any obstructions around the propellers. Ensure propellers are securely attached and undamaged.

## 8. SPECIFICATIONS

Specification	Value
Brand	GoolRC
Model	K127
Package Dimensions	13.15 x 9.96 x 3.58 inches
Item Weight	1.39 pounds
Manufacturer Recommended Age	16 years and up
Batteries	3 Nonstandard Battery batteries required (included)
Flight Time	Up to 16 minutes
Charging Time	Approximately 35 minutes

## 9. SAFETY GUIDELINES

- **Warning:** Rotating parts may cause injury. Keep hands and face clear of propellers during operation.







- **Warning:** Not suitable for children under 36 months due to small parts (choking hazard) and long cord (strangulation hazard). Recommended age is 16 years and up.
- Do not fly near people, animals, or obstacles.
- Always operate in a clear, open space.
- Avoid flying in strong winds or adverse weather conditions.
- Supervise children during operation.

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official GoolRC store online. You can find more information about GoolRC products at the [GoolRC Brand Store](#).

### Related Documents - K127

	<p><a href="#">Assembly Instructions and Component Dimensions for Modular Systems</a></p> <p>Detailed assembly instructions and component dimensions for various modular system models including LOFT, D series (D30, D40, D60, D80), and G series (G60, G80). Includes part lists, dimension tables, and textual descriptions of assembly steps.</p>
	<p><a href="#">Dunlop Motorcycle Tires 2020 Catalog</a></p> <p>Explore the comprehensive 2020 catalog of Dunlop motorcycle tires, featuring detailed product information, segment definitions, key technologies, and specifications for a wide range of riding styles.</p>
	<p><a href="#">2021 Hankook Tire Product Catalog: Passenger &amp; Light Truck Tires</a></p> <p>Explore the comprehensive 2021 Hankook Tire Product Catalog, detailing a wide range of passenger, light truck, SUV, and performance tires. Find product specifications, application guides, safety information, and warranty details for Hankook's innovative tire solutions.</p>
	<p><a href="#">Product Reviews and Buying Guides: Jump Starters, Apparel, Costumes, and More</a></p> <p>Explore comprehensive product reviews and buying guides for various consumer items, including automotive essentials like jump starters and air compressors, men's fashion apparel, and popular costumes, curated by The Amazing Bees.</p>



