

- Manuals.plus /
- > GoolRC /
  - > GoolRC WLtoys XK K127 Remote Control Helicopter User Manual

GoolRC K127

# GoolRC WLtoys XK K127 Remote Control Helicopter User Manual

Model: K127 | Brand: GoolRC

## 1. PRODUCT OVERVIEW

The GoolRC WLtoys XK K127 is a 4-channel remote control helicopter designed for both beginners and experienced users. It features a 6-axis gyroscope for stable flight, altitude hold for easy hovering, and a durable design for resilience against minor impacts. The helicopter is equipped with a coreless motor for strong power and a modular battery system for convenient replacement and charging.



Image: The GoolRC WLtoys XK K127 RC Helicopter, its remote control, and two included batteries. The helicopter features an orange and blue body with black main and tail rotors.

## 2. WHAT'S IN THE BOX

Please check the contents of your package upon receipt to ensure all items are present and in good condition.

- 1 x GoolRC WLtoys XK K127 RC Helicopter
- 1 x Remote Control Transmitter
- 1 x Instruction Manual
- Spare Propellers (Main and Tail)
- 1 x USB Charging Cable
- 2 x Helicopter Batteries (3.7V 400mAh 20C)
- Tools for maintenance (e.g., screwdriver)



Image: All components included in the product package, neatly arranged. This includes the helicopter, remote control, batteries, charging cable, spare propellers, and a small instruction manual.

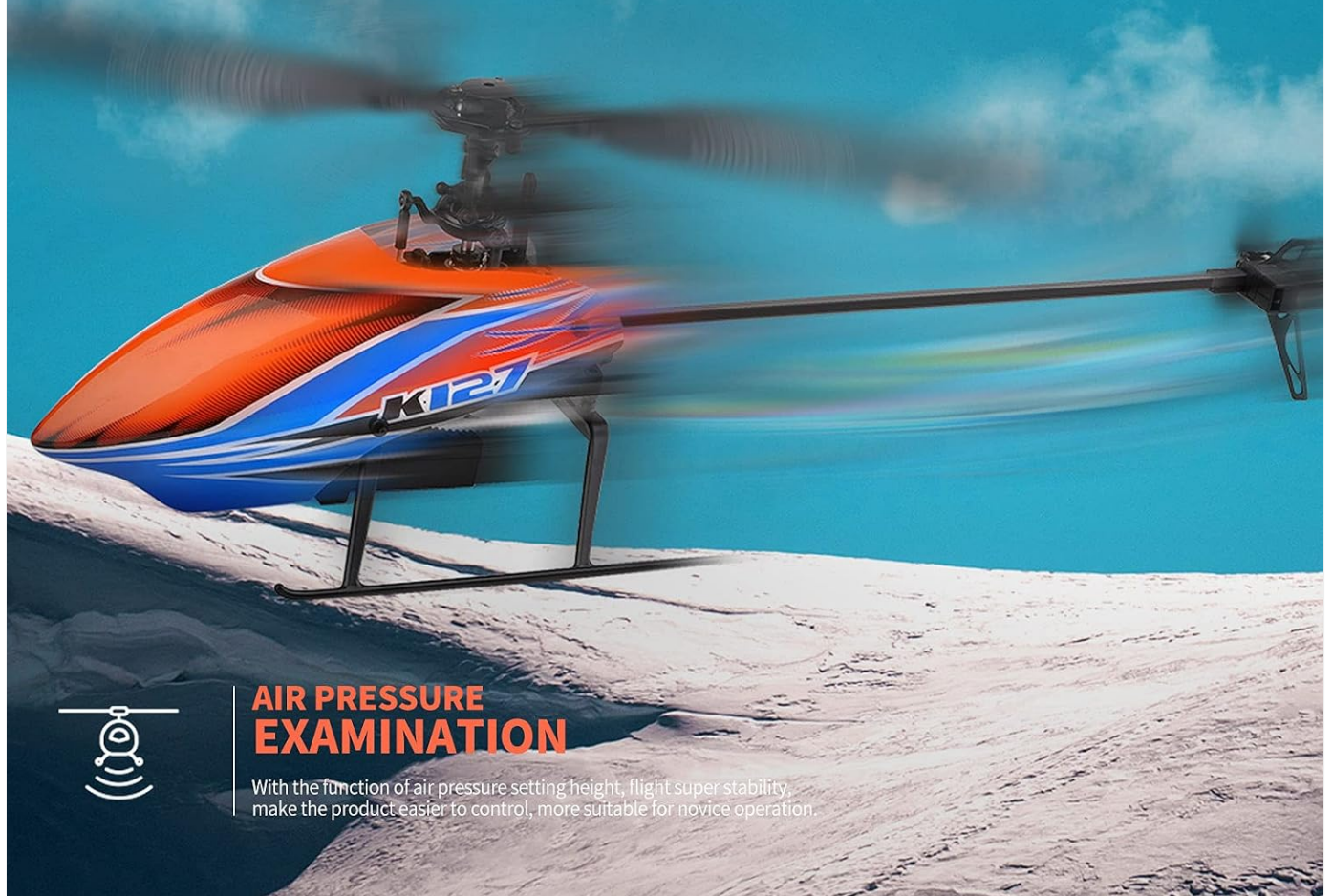
### 3. PRODUCT FEATURES

- **4-Channel Design:** Provides comprehensive control for various flight maneuvers.
- **6-Axis Gyroscope:** Ensures stable flight performance and easy control, suitable for novice operation.
- **Altitude Hold:** Utilizes air pressure height setting for super stable hovering, even outdoors.
- **One-Key Take Off/Landing:** Simplifies operation, making it easier for beginners to fly.
- **Strong Power:** Equipped with an 8520 coreless motor and a 3.7V 400mAh 20C battery for robust performance.
- **Low Voltage Alarm:** Alerts the user when the battery is running low.
- **Rudder Capacity Conversion:** Allows adjustment of rudder sensitivity.
- **Hovering Midpoint Setting:** Enables fine-tuning of the helicopter's hover position.
- **Easy to Replace Tail Motor:** Features a detachable plug for convenient maintenance.
- **Aerodynamic Design:** Aileron-free design provides strong power and ensures body stability.

# 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.



## AIR PRESSURE EXAMINATION

With the function of air pressure setting height, flight super stability, make the product easier to control, more suitable for novice operation.

Image: The K127 helicopter in mid-flight, illustrating the stability provided by its 6-axis gyroscope. The image emphasizes the product's ease of control for new users.



## ALTITUDE HOLD

With the function of air pressure height setting, the flight is super stable. It can sense the surrounding environment and ensure the stable hovering of the aircraft during the outdoor flight.

Image: The K127 helicopter maintaining a stable hover, demonstrating its altitude hold function. This feature allows the aircraft to sense its environment and maintain a steady position.

## Coreless motor

8520 hollow cup motor, 3.7V 400mAh 20C  
high magnification battery with USB charging plug.

“MAIN MOTOR”  
8520

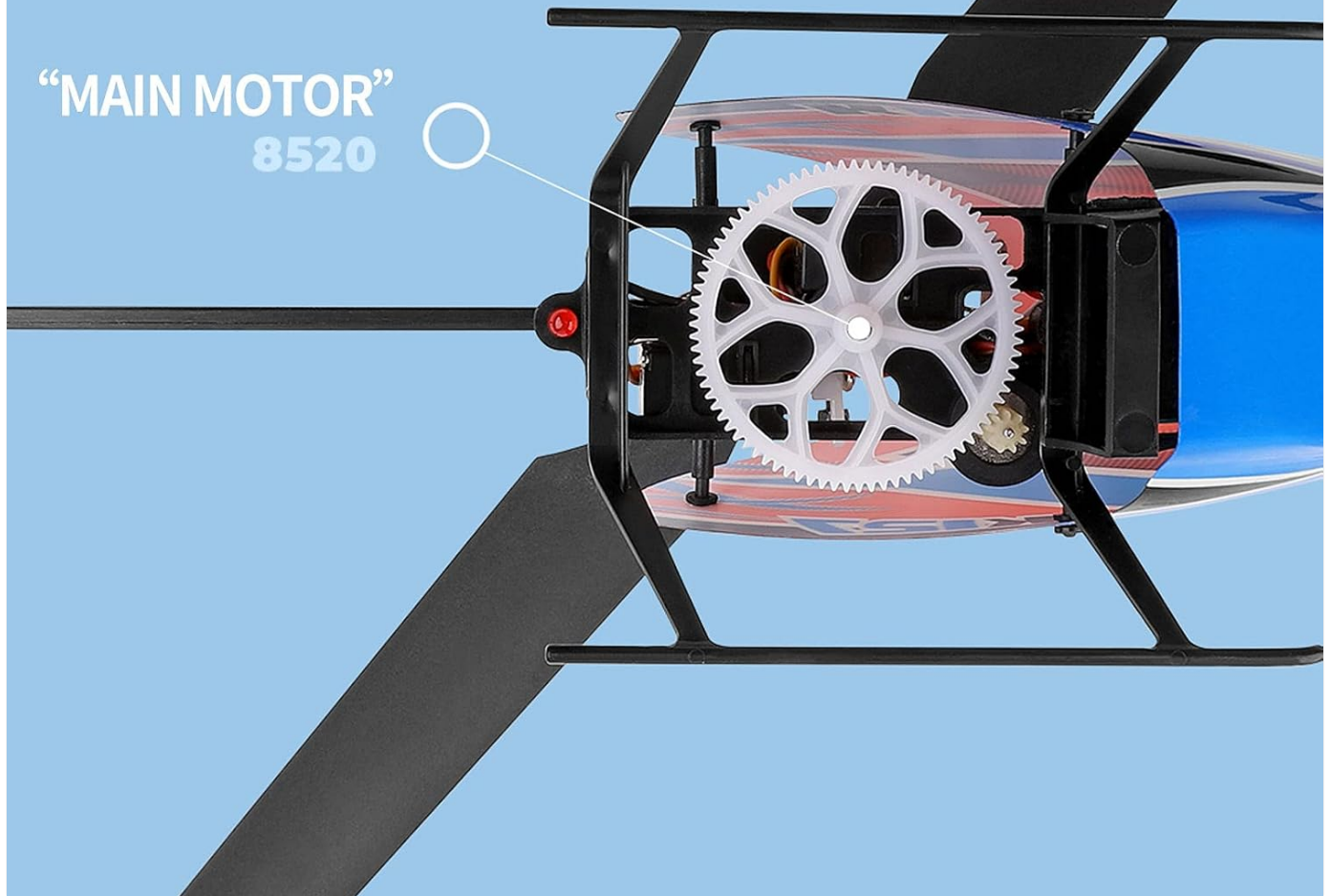


Image: A detailed view of the helicopter's internal structure, highlighting the 8520 coreless motor. This motor, combined with the 3.7V 400mAh 20C battery, provides significant power for flight.

## 4. SETUP

### 4.1. Battery Installation

#### 4.1.1. Remote Control Battery Installation

The remote control requires 6 AA batteries (not included). Open the battery compartment on the back of the remote control and insert the batteries, ensuring correct polarity. Close the compartment securely.

#### 4.1.2. Helicopter Battery Installation

The helicopter uses modular batteries. Carefully slide the helicopter battery into its designated slot on the underside of the helicopter until it clicks into place. Ensure a secure connection. The helicopter will automatically power on once the battery is correctly inserted.

### 4.2. Charging the Helicopter Battery

Connect the provided USB charging cable to the helicopter battery. You can charge the battery using a power supply adapter, a computer USB port, or a power bank. A full charge takes approximately 35 minutes and provides up to 16 minutes of flight time.



6-AXIS GYROSCOPE



ALTITUDE HOLD



CORELESS MOTOR



AERODYNAMICS



RUDDER CONVERSION

## GoolRC WLtoys XK K127 4 Channel RC Helicopter



Image: Visual representation of the three charging methods for the helicopter battery: via a power supply adapter, a computer USB port, or a power bank. The image also indicates a 16-minute flight time and 35-minute charging time.

### 4.3. Binding/Pairing the Remote Control and Helicopter

Before operating, ensure the remote control is powered on first, then insert the helicopter battery. The remote control and helicopter should automatically bind. If binding fails, refer to the instruction manual for specific re-binding procedures.

## 5. OPERATING INSTRUCTIONS

### 5.1. Remote Control Layout



Image: A detailed diagram of the 2.4 GHz remote control, labeling its various buttons and joysticks. Key functions include power switch, power LED, joystick controls, lifting adjustment keys, throttle trim keys, direction trim keys, side flight fine adjustment keys, rudder conversion button, and one-key take-off/landing button.

### 5.2. Pre-Flight Checks

- Ensure both helicopter and remote control batteries are fully charged.

- Verify that all propellers are securely attached and undamaged.
- Choose an open, clear area for flight, free from obstacles, people, and animals.
- Check weather conditions; avoid flying in strong winds as the helicopter is lightweight and can be affected.

### 5.3. Take-off and Landing

For easy operation, use the one-key take-off/landing button. Pressing this button will initiate an automatic take-off or landing sequence. For manual control, gently increase the throttle to lift off and decrease it to land.



Image: The K127 helicopter ascending from a designated landing area, demonstrating its one-key take-off and landing functionality. This feature simplifies the flight process for users.

### 5.4. Basic Controls

- **Throttle (Left Stick - Up/Down):** Controls the helicopter's altitude.
- **Direction (Right Stick - Forward/Backward/Left/Right):** Controls the helicopter's movement in the air.
- **Altitude Hold:** Once airborne, the helicopter will attempt to maintain its current altitude automatically.

### 5.5. Advanced Controls and Features

- **Speed Modes:** The remote control has a speed switch (U/S button) to adjust the helicopter's responsiveness. Higher speeds can help manage light wind conditions.
- **Trim Switches:** Use the trim switches on the remote control to fine-tune the helicopter's stability if it drifts in any direction during hover.
- **Emergency Stop:** In an emergency, simultaneously hold down the take-off/landing button and the speed switch on the remote control to immediately stop the helicopter's motors. Be aware that this will cause the helicopter to drop.

## 5.6. Flight Environment Considerations

While the K127 is durable and can handle some outdoor conditions, it is a lightweight aircraft. Avoid flying in strong winds. For optimal control and safety, especially for beginners, consider flying in calm indoor environments or large, open outdoor spaces with minimal wind.



Image: The K127 helicopter flying against a mountainous backdrop, with a low battery warning icon displayed. This indicates the helicopter's built-in alarm system for low power levels.

## 6. MAINTENANCE

- **Propeller Replacement:** If propellers become damaged, replace them with the provided spares using the included tools. Ensure they are installed correctly.
- **Cleaning:** Wipe the helicopter and remote control with a soft, dry cloth. Avoid using harsh chemicals or excessive moisture.
- **Storage:** Store the helicopter and its components in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.
- **Tail Motor:** The tail motor is connected with a detachable plug, making it convenient for replacement if needed.

## 7. TROUBLESHOOTING

| Problem                                        | Possible Cause                                           | Solution                                                                                             |
|------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Helicopter does not respond to remote control. | Not properly bound; low battery in remote or helicopter. | Ensure remote is turned on first, then helicopter. Recharge/replace batteries. Re-bind if necessary. |
| Helicopter drifts during flight.               | Needs trimming; minor wind interference.                 | Use trim switches on the remote control to adjust. Fly in calmer conditions.                         |
| Short flight time.                             | Battery not fully charged; aging battery.                | Ensure battery is fully charged (approx. 35 mins). Consider replacing the battery if it's old.       |
| Helicopter crashes easily.                     | Lack of experience; strong wind.                         | Practice in open, calm areas. Utilize altitude hold and one-key functions. Avoid windy conditions.   |

## 8. SPECIFICATIONS

- **Brand:** GoolRC
- **Model:** K127
- **Channels:** 4CH
- **Gyroscope:** 6-Axis
- **Motor:** 8520 Coreless Motor
- **Helicopter Battery:** 3.7V 400mAh 20C
- **Remote Control Batteries:** 6 x AA batteries (not included)
- **Flight Time:** Up to 16 minutes
- **Charging Time:** Approximately 35 minutes
- **Dimensions (L x H x Rotor Diameter):** 28cm x 8.3cm x 25.3cm (approx.)
- **Item Weight:** 1.4 pounds (approx.)
- **Recommended Age:** 14 years and up

## 9. WARRANTY AND SUPPORT

Specific warranty details are not provided in the available product information. For warranty claims, technical support, or replacement parts, please contact GoolRC customer service directly through their official website or the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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**

Anonymous

**Email**

you@example.com

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

---

**Open the live page**

**<https://manuals.plus/asin/B093QCB36J>**

More documents and user manuals: **<https://manuals.plus/>**