

GoolRC S929-A

GoolRC S929-A RC Helicopter Instruction Manual

Model: S929-A

1. INTRODUCTION

Thank you for purchasing the GoolRC S929-A RC Helicopter. This manual provides essential information for the safe operation, setup, and maintenance of your new remote control helicopter. Please read this manual thoroughly before operating the helicopter to ensure proper function and to prevent damage or injury.

The S929-A features a durable ABS fuselage, a built-in gyroscope for stable flight, and bright navigation lights for enhanced visibility. It is designed for beginners and offers a 3.5-channel control system for easy maneuverability.

2. SAFETY GUIDELINES

Important: Failure to follow these safety guidelines may result in injury or damage to the product.

- Always operate the helicopter in open, clear areas, away from people, animals, and obstacles.
- Do not fly near power lines, trees, or water.
- Keep hands, face, and loose clothing away from rotating blades.
- Adult supervision is recommended for children operating the helicopter.
- Do not touch the motor or battery immediately after use, as they may be hot.
- Ensure the helicopter battery is fully charged and the remote control batteries are fresh before each flight.
- Never attempt to modify or repair the helicopter or remote control yourself. Contact customer support for assistance.
- Store the helicopter and remote control in a cool, dry place when not in use.

3. PACKAGE CONTENTS

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

- 1 x GoolRC S929-A RC Helicopter
- 1 x Remote Controller

- 1 x USB Charger
- 2 x Spare Blades
- 1 x Screwdriver
- 1 x User Manual

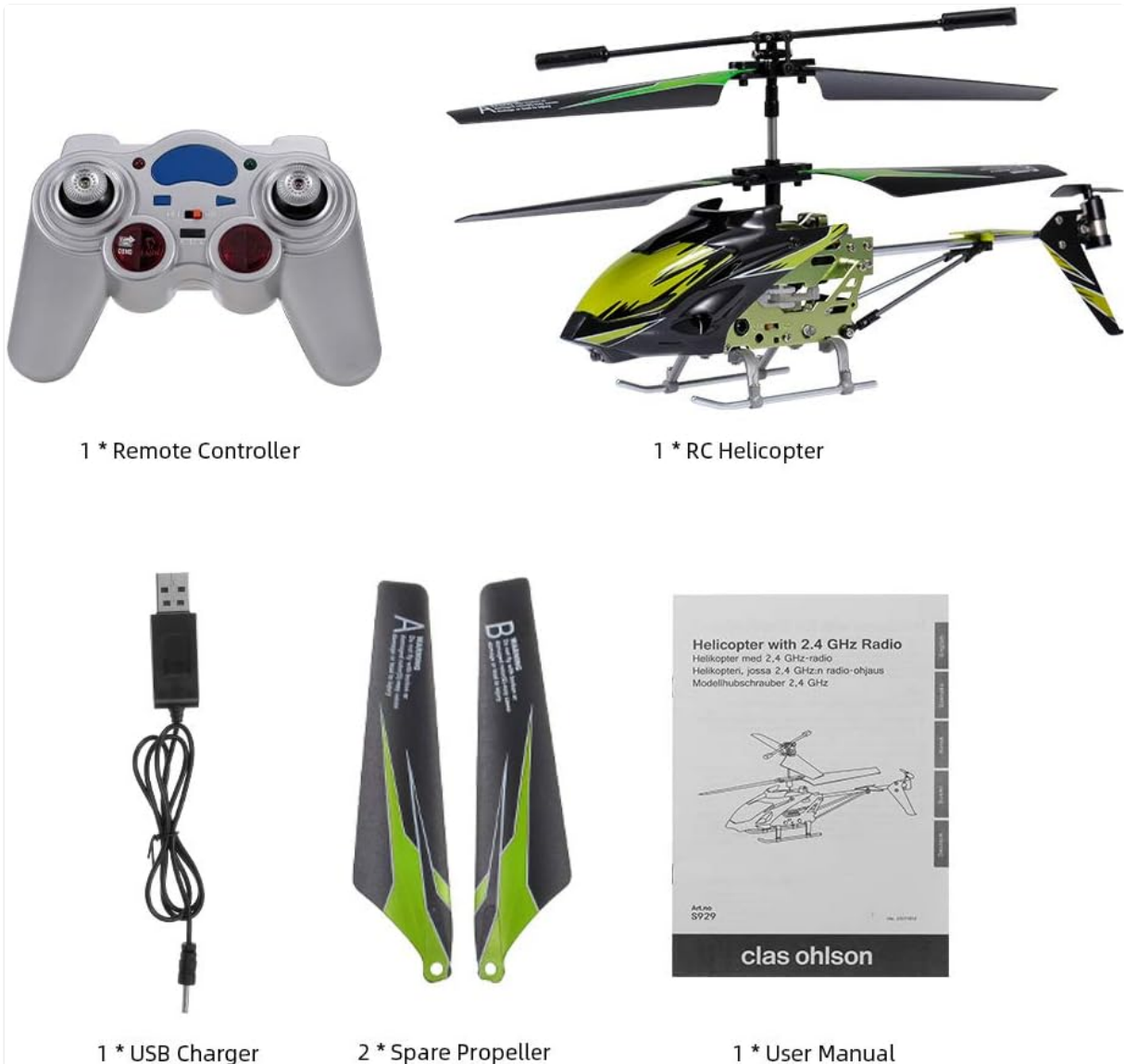


Figure 3.1: Contents of the GoolRC S929-A RC Helicopter package.

4. PRODUCT OVERVIEW

4.1 Helicopter Components



Figure 4.1: GoolRC S929-A RC Helicopter.

- **Main Rotor Blades:** Provide lift and control for vertical movement.
- **Tail Rotor:** Controls yaw (left/right rotation) and counteracts main rotor torque.
- **Fuselage:** The main body of the helicopter, housing electronics and battery. Made of durable ABS material.
- **Landing Gear:** Provides stability during takeoff and landing, cushioning impact.
- **Navigation Lights:** Bright LEDs for visibility, especially during night flights.
- **Gyroscope:** Internal component for enhanced flight stability.

BALANCE TAIL ROTOR

The tail rotor can overcome the torque to achieve the balance of the aircraft



FUNCTIONAL LANDING GEAR

Made from flexible and durable materials, the landing gear helps cushion the impact of landing and protect the aircraft from damage

Figure 4.2: Detailed view of the tail rotor and landing gear.

4.2 Remote Controller

2.4GHZ REMOTE CONTROLLER

Adopted 2.4GHz remote controller system, the transmitter is responsive to all orders of operations



Figure 4.3: 2.4GHz Remote Controller.

The remote controller operates on a 2.4GHz frequency, providing a stable and responsive connection to the helicopter. It requires 6 AA batteries (not included).

- **Left Joystick (Throttle):** Controls altitude (up/down).
- **Right Joystick (Directional):** Controls forward/backward and left/right turns (yaw).
- **Trim Buttons:** Used to fine-tune the helicopter's stability if it drifts.
- **Power Switch:** Turns the remote controller on/off.
- **Demo Button:** Initiates an automatic flight demonstration.

5. SETUP

5.1 Remote Controller Battery Installation

1. Open the battery compartment cover on the back of the remote controller.
2. Insert 6 new AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

5.2 Helicopter Battery Charging

The helicopter is powered by a 3.7V 180mAh Li-Po battery. Charging time is approximately 60 minutes for

about 7 minutes of flying time.

1. Connect the USB charger to a USB power source (e.g., computer, USB wall adapter).
2. Connect the helicopter battery to the USB charger.
3. The indicator light on the USB charger will show the charging status (refer to charger instructions for specific light indications).
4. Once charging is complete, disconnect the battery from the charger. Do not overcharge.

5.3 Power On and Pairing

1. Ensure the helicopter's power switch is in the "OFF" position.
2. Place the helicopter on a flat, level surface.
3. Turn on the remote controller using its power switch. The indicator light on the remote will flash.
4. Turn on the helicopter's power switch (usually located on the side or bottom). The helicopter's lights will flash.
5. To pair, push the left joystick (throttle) all the way up, then all the way down. The lights on both the helicopter and remote will become solid, indicating successful pairing.
6. The helicopter is now ready for flight.

6. OPERATING INSTRUCTIONS

6.1 Basic Flight Controls

- **Throttle (Left Joystick Up/Down):**
 - Push up to increase altitude.
 - Pull down to decrease altitude.
- **Forward/Backward (Right Joystick Up/Down):**
 - Push up to fly forward.
 - Pull down to fly backward.
- **Turn Left/Right (Right Joystick Left/Right):**
 - Push left to turn the helicopter left (yaw).
 - Push right to turn the helicopter right (yaw).
- **Speed Control:** The remote may have a speed button to switch between different flight speeds.
- **Demo Mode:** Press the "Demo" button on the remote for an automatic flight demonstration.

BRIGHT NAVIGATION LIGHT

With the navigation light, the pilot is able to conduct night flight as in the daytime



Figure 6.1: Helicopter with bright navigation lights active.

6.2 Flight Tips for Beginners

- Start by practicing hovering at a low altitude to get a feel for the controls.
- Make small, gentle adjustments to the joysticks. Sudden movements can cause instability.
- If the helicopter drifts, use the trim buttons on the remote to correct its flight path.
- Always maintain line of sight with the helicopter.
- When the battery is low, the helicopter's performance will decrease. Land immediately to avoid a crash.

7. MAINTENANCE

7.1 Cleaning

Wipe the helicopter with a soft, dry cloth after each use to remove dust and debris. Do not use water or chemical cleaners, as they can damage electronic components.

7.2 Blade Replacement

If a rotor blade becomes damaged, it can affect flight performance. Use the included screwdriver to

carefully replace damaged blades with the spare blades provided. Ensure the new blades are securely fastened.

7.3 Storage

When not in use for extended periods, remove batteries from both the helicopter and the remote controller. Store the helicopter in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	<ul style="list-style-type: none">◦ Not paired correctly.◦ Remote control batteries low/dead.◦ Helicopter battery low/dead.◦ Out of range.	<ul style="list-style-type: none">◦ Re-pair the helicopter and remote (Section 5.3).◦ Replace remote control batteries.◦ Charge helicopter battery.◦ Bring helicopter closer to the remote (max range 10m).
Helicopter drifts during flight.	<ul style="list-style-type: none">◦ Needs trim adjustment.◦ Damaged rotor blade.	<ul style="list-style-type: none">◦ Use trim buttons on the remote to stabilize.◦ Inspect and replace damaged blades (Section 7.2).
Helicopter does not lift off.	<ul style="list-style-type: none">◦ Helicopter battery low.◦ Obstruction to blades.	<ul style="list-style-type: none">◦ Charge helicopter battery.◦ Check for any foreign objects obstructing the blades.

9. SPECIFICATIONS

Feature	Detail
Model Name	S929-A
Main Material	ABS Plastic
Remote Controller	2.4G 3.5CH
Control Distance	About 10 meters
Helicopter Battery	3.7V 180mAh Li-Po battery
Flying Time	About 7 minutes
Charging Time	About 60 minutes
Remote Controller Battery	6 * AA battery (not included)
Product Dimensions (L x W x H)	225mm x 95mm x 40mm (8.86"L x 3.74"W x 1.57"H)
Product Weight (with battery)	43g (1.52 ounces)
Recommended Age	14 years and up

PRODUCT MEASUREMENT



Figure 9.1: Product measurements of the S929-A helicopter.

10. CUSTOMER SUPPORT

For any questions, concerns, or issues regarding your GoolRC S929-A RC Helicopter, please do not hesitate to contact our customer support team. We are committed to providing assistance and ensuring your satisfaction.

Please refer to the retailer's website or your purchase documentation for specific contact information.