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› GoolRC RC Plane G7 Remote Control Airplane User Manual

GoolRC G7

GoolRC RC Plane G7 Remote Control Airplane User Manual

Model: G7

INTRODUCTION

This user manual provides comprehensive instructions for the safe operation, maintenance, and troubleshooting of your GoolRC RC Plane G7. Please read this manual thoroughly before operating the aircraft to ensure proper function and to maximize your flying experience.

SAFETY INFORMATION

Always prioritize safety when operating the RC plane. Failure to follow these guidelines may result in injury or damage to the aircraft.

- **Age Recommendation:** This product is recommended for users aged 16 years and up.
- **Flight Environment:** Operate the aircraft in wide, open, and barrier-free areas, at least 100 meters away from trees, houses, rivers, and other obstacles. Avoid flying in windy conditions.
- **Battery Safety:** Use only the provided charging cable and battery. Do not overcharge or short-circuit the battery. Disconnect the battery when not in use.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Line of Sight:** Always maintain visual line of sight with the aircraft during flight.
- **Water Contact:** The aircraft is not designed for prolonged water immersion. While it may float briefly, avoid landing in water.
- **Pre-Flight Check:** Before each flight, ensure all parts are securely attached, the battery is charged, and the remote controller is functioning correctly.

WHAT'S IN THE BOX

The GoolRC RC Plane G7 package includes the following components:

- 1 x GoolRC RC Plane G7 Aircraft
- 1 x Remote Controller
- 1 x Airplane Battery (Rechargeable Lithium Battery)
- 1 x USB Charging Cable
- 1 x Set of Spare Propellers

- 1 x Screwdriver



Figure 1: GoolRC RC Plane G7 and its accompanying remote controller.

PRODUCT OVERVIEW

Aircraft Components



Figure 2: Key components and material of the GoolRC RC Plane G7.

The GoolRC RC Plane G7 is constructed from durable EPP foam, making it lightweight and safe for flight. It features a rubber buffer head for impact resistance, high tenacity wings and tail for stability, and high-density blades for efficient propulsion. The lifting tail design enhances flight flexibility.

Preferred materials

EPP foam

Glider
**Lightweight,
And safe.**



Material

Adopt new compression material, High toughness, waterproof and impact resistant

Figure 3: Adjustable tail wing and LED lighting features.

The aircraft features an adjustable tail wing for improved lift and maneuverability. It also includes integrated LED color light strips on the bottom, which can be controlled for enhanced visibility and aesthetics during night flights.

Remote Controller Layout

Remote Controller Introduce



Figure 4: Remote Controller Layout.

The remote controller features a power switch, accelerate button, head lower/lifting fine adjustment, left/right flight trim, throttle control lever (up/down control), tail rudder descent/rising, 360° roll button, adjustment of large and small rudder, one-click correction, one-click hover, and light control buttons. The left joystick controls throttle and left/right flight, while the right joystick controls tail rudder movement.

SETUP

1. Charging the Aircraft Battery

Connect the provided USB charging cable to the aircraft battery and a suitable USB power source (e.g., computer USB port, USB wall adapter). The charging indicator light will show the charging status. Ensure the battery is fully charged before first use.



Figure 5: Rechargeable Module Battery.

The aircraft uses a rechargeable module battery designed for easy installation and secure fixation to prevent it from falling off during flight.

2. Installing the Aircraft Battery

Once charged, carefully insert the battery into the designated battery compartment on the aircraft. Ensure it clicks

securely into place to prevent dislodgement during flight.

3. Installing Remote Controller Batteries

Open the battery compartment on the back of the remote controller and insert the required batteries (not included, typically AA batteries) according to the polarity markings. Close the compartment securely.

4. Binding the Remote Controller to the Aircraft

1. Ensure both the aircraft and the remote controller are powered off.
2. Place the aircraft on a flat, stable surface.
3. Turn on the aircraft. The LED lights on the aircraft will flash, indicating it's in binding mode.
4. Turn on the remote controller.
5. Push the throttle joystick (left joystick) all the way up, then all the way down. The remote controller will emit a beep, and the aircraft's LED lights will become solid, indicating successful binding.

OPERATING INSTRUCTIONS

Pre-Flight Checks

- Verify the aircraft battery is fully charged.
- Ensure the remote controller batteries are sufficient.
- Check that all propellers are securely attached and undamaged.
- Confirm the aircraft and remote controller are successfully bound.
- Select an appropriate, open flying area free from obstacles and people.

Take-Off Methods



Figure 6: Two methods for taking off.

The GoolRC RC Plane G7 supports two take-off methods:

- **Take Off from the Ground:** Place the aircraft on a flat ground with a length of not less than 20 meters. Push the full throttle and take off according to the vertical direction of the aircraft, adjusting the throttle force and direction as needed.
- **Take Off by Hand-Throwing:** Hold the plane at shoulder height, parallel or slightly upward. Gently and smoothly throw it forward after applying full throttle.

Your browser does not support the video tag.

Video 1: Demonstration of the GoolRC RC Plane G7 taking off from the ground and by hand-throw, showcasing its flight capabilities and features like adjustable speed, double motors, controllable height, one-click roll, one-click hover, and LED lights.

Flight Controls

- **Throttle (Left Joystick Up/Down):** Controls the speed and altitude of the aircraft. Push up to increase speed/climb, pull down to decrease speed/descend.
- **Direction (Right Joystick Left/Right):** Controls the turning of the aircraft. Move left to turn left, move right to turn right. The dual engine power system allows for turns by differential thrust.
- **Adjustable Rudder (Remote Button):** The remote controller allows switching between small rudder (for beginners, stable flight) and large rudder (for experienced users, enabling stunt maneuvers). In large rudder mode, pulling the lift joystick can perform stunt rolls.
- **One-Click Hover (Remote Button):** Press the dedicated button to activate hover mode, where the aircraft will circle around a certain point.
- **One-Click Roll (Remote Button):** Press the dedicated button to perform a stunt roll.
- **LED Light Control (Remote Button):** Toggle the LED color light strips on/off for night flying or visual effect.
- **Speed Regulation (Remote Switch):** The aircraft is equipped with a two-gear speed switch (low gear/high speed) that can be adjusted based on individual proficiency.

Landing

To land, slowly reduce the throttle while maintaining control over the aircraft's direction. Aim for a gentle descent onto a flat, open surface. If landing on grass, ensure the landing gear does not snag. For optimal longevity, aim for a smooth, controlled glide rather than a sharp dive.

MAINTENANCE

- **Cleaning:** After each flight, gently wipe down the aircraft with a soft, dry cloth to remove any dirt or debris. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for any cracks, bends, or damage. Replace damaged propellers immediately using the provided spare parts and screwdriver.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully charged or completely depleted batteries for extended periods.
- **Storage:** When not in use, store the aircraft and remote controller in a safe place to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Aircraft does not respond to remote controller.	Not bound, low battery (aircraft or remote), interference.	Re-bind the aircraft and remote. Charge/replace batteries. Move to an area with less interference.
Aircraft flies erratically or drifts.	Uncalibrated gyroscope, damaged propeller, strong wind.	Perform one-click correction/calibration. Check and replace damaged propellers. Avoid flying in strong winds.
Short flight time.	Battery not fully charged, old battery, aggressive flying.	Ensure battery is fully charged. Consider replacing old batteries. Fly more conservatively.
Aircraft does not take off.	Insufficient throttle, battery low, propellers blocked.	Apply full throttle. Charge battery. Clear any obstructions from propellers.

SPECIFICATIONS

Feature	Detail
Model Number	G7
Brand	GoolRC
Channels	3 Channel
Frequency	2.4GHz
Gyro System	6-Axis Gyroscope
Material	EPP Foam
Flight Time (Approx.)	20 minutes (per battery)
Recommended Age	16 years and up
Package Dimensions	16.5 x 11.93 x 3.86 inches
Item Weight	1.34 pounds

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by your retailer or visit the official GoolRC website. Keep your purchase receipt as proof of purchase.

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