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GooIRC RC Plane Drone

GooIRC RC Plane Drone Instruction Manual

Model: RC Plane Drone

1. INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your GooIRC RC Plane Drone. Please read this manual thoroughly before operating the aircraft to ensure proper function and to prevent damage or injury.



Figure 1: GoolRC RC Plane Drone with its remote controller and two batteries.

2. SETUP

2.1 Unboxing and Components

Carefully unpack all items from the box. Ensure all components listed below are present:

- 1x RC Airplane
- 1x Remote Controller
- 2x Airplane Battery
- 1x USB Charging Cable
- 4x Spare Blades
- 1x User Manual (this document)

One Click Take off



Four-motor stable flight, it is easy to control for beginners.

Figure 2: Package contents of the GoolRC RC Plane Drone.

2.2 Battery Installation and Charging

The drone is powered by a 3.7V 650mAh Lithium-ion battery. The charging time is approximately 1 hour, providing about 8 minutes of flight time.

1. Connect the airplane battery to the USB charging cable.
2. Plug the USB charging cable into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The indicator light on the USB cable will show charging status (refer to the charging cable's specific instructions for light indications).
4. Once fully charged, disconnect the battery from the charging cable.
5. Carefully insert the charged battery into the designated battery compartment on the drone. Ensure it clicks securely into place.



Figure 3: Modular battery design for easy installation.

2.3 Remote Control Setup

The remote controller requires 3x AAA batteries (not included). Install them according to the polarity markings inside the battery compartment.

1. Insert the batteries into the remote controller.
2. Turn on the remote controller.
3. Place the drone on a flat, level surface.
4. Turn on the drone.
5. The drone and remote control will automatically pair. Wait for the indicator lights to stabilize, indicating a successful connection.

3. OPERATING INSTRUCTIONS

Familiarize yourself with the remote control functions and flight modes before your first flight.

Your browser does not support the video tag.

Video 1: An overview of the GoolRC RC Plane Drone's features, including one-click takeoff/landing, fixed height hovering, adjustable camera, trajectory flight, auto spin, and 360-degree flips. This video demonstrates the drone's capabilities in an indoor environment.

3.1 One-Click Take Off and Landing

This RC drone is equipped with a one-click take off and landing function, allowing you to easily control the take off and landing of the plane, simplifying the operation process and improving the convenience of flight. Press the designated button on the remote control to initiate automatic takeoff or landing.

Circle Flight



Figure 4: Demonstrating the one-click take off feature.

3.2 6-Axis Gyroscope Stabilization System

The airplane is equipped with a built-in 6-axis gyroscope, which can achieve automatic stable flight, provide a smoother flight experience, and reduce shaking and shaking during flight. This system helps maintain stability during flight, making it easier to control.

6-Axis Gyroscope

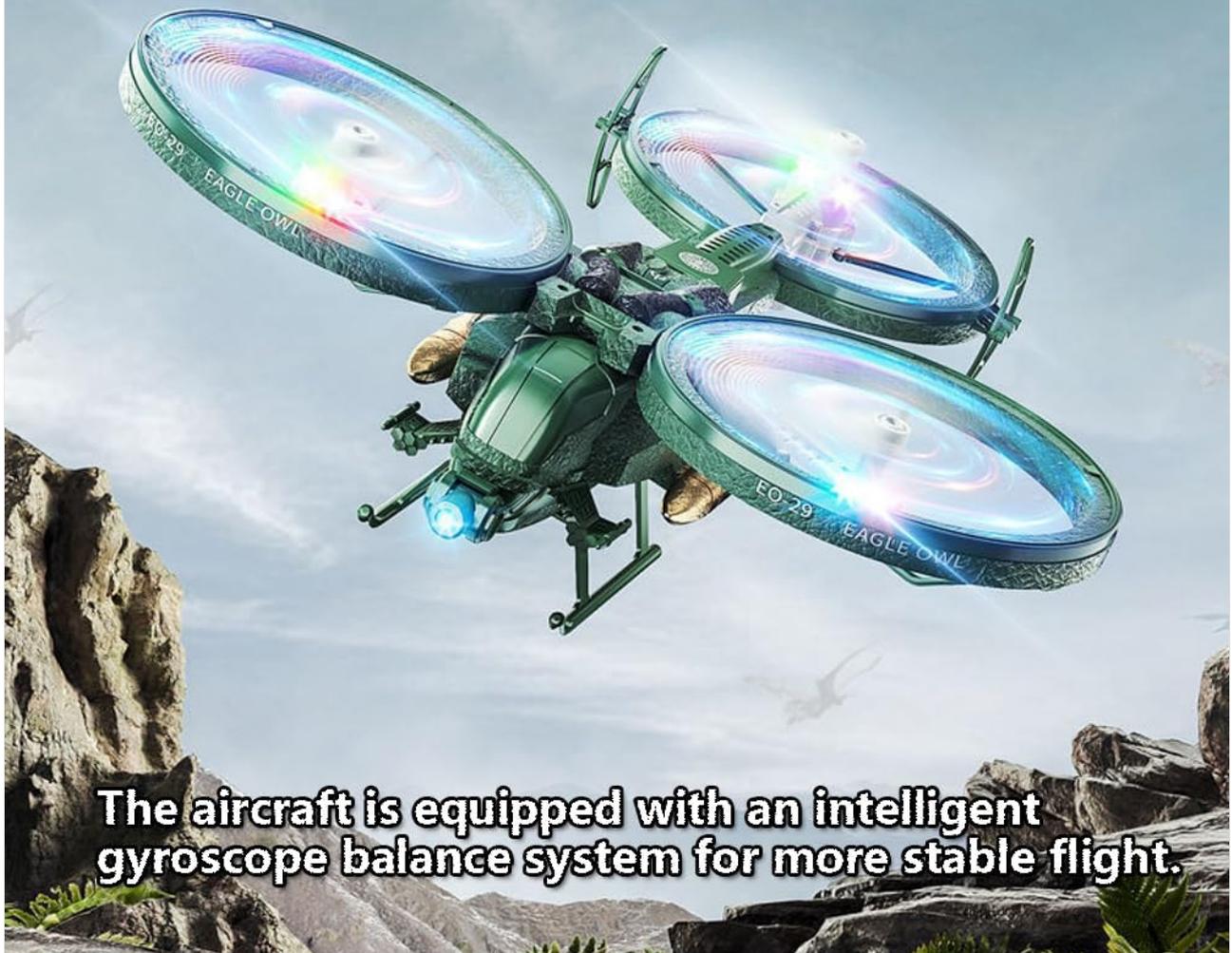


Figure 5: The drone's stable flight due to the 6-axis gyroscope.

3.3 Headless Mode

In headless mode, the airplane ignores its current orientation and instead determines the flight direction based on the operation of the remote control. This feature is very useful for beginners or people who are not familiar with flight controls, as it simplifies directional commands.

Headless Mode



When the plane is in headless mode, no matter which direction the plane is facing, it will be directed towards the user (remote control).

Figure 6: Headless Mode simplifies flight direction for users.

3.4 3D Flips Function

The drone has a flip function, which can perform 360-degree flips in the air, increasing the fun and excitement of flying. To activate, press the designated flip button on the remote control and then move the right joystick in the desired flip direction.

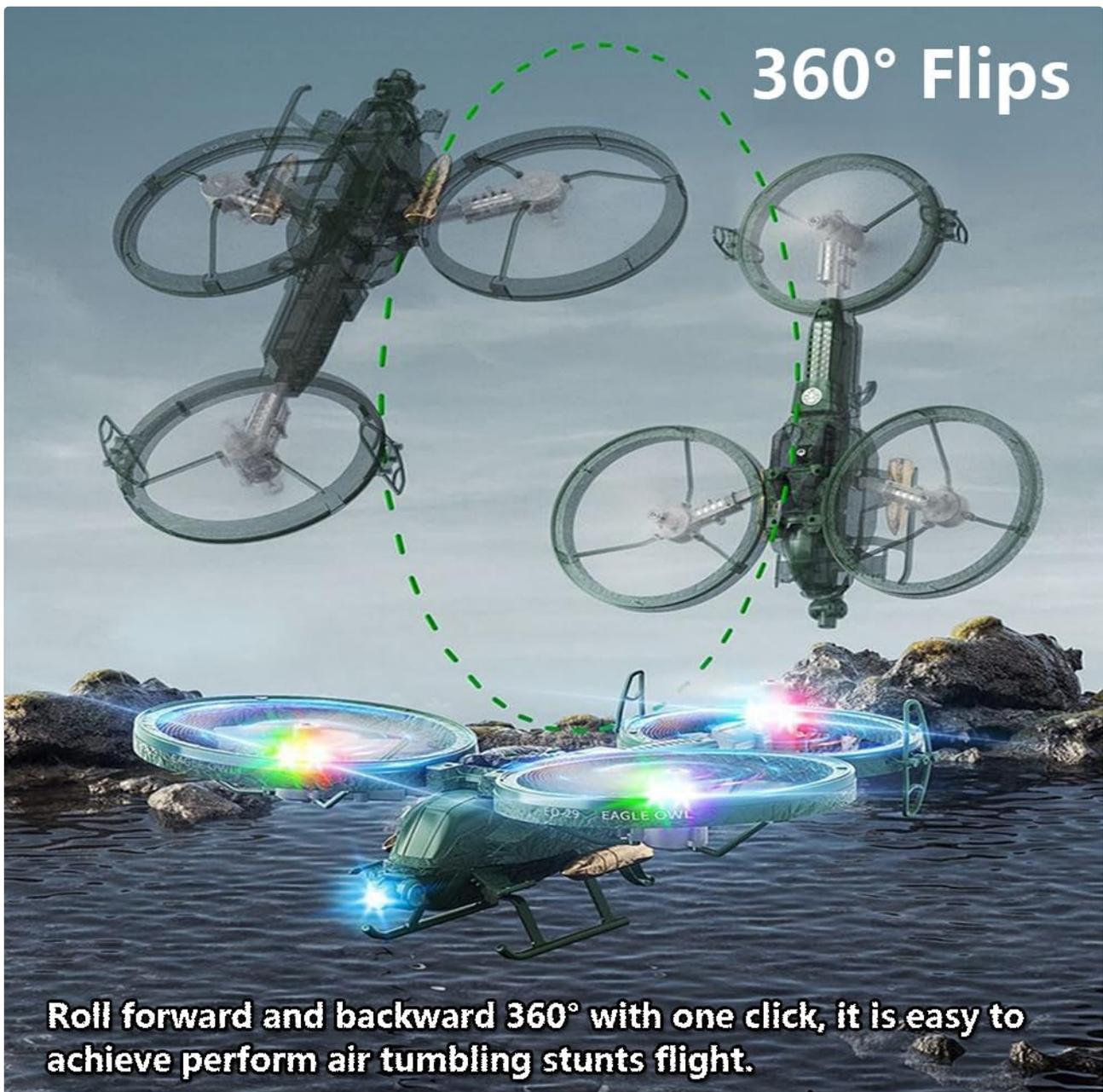


Figure 7: The drone executing a 360-degree flip.

3.5 Circle Flight

Press and hold the designated button for circle flight, and the aircraft will automatically circle flight 360 degrees around a central point. This feature allows for dynamic aerial photography or simply an impressive flight display.



Figure 8: The drone's automatic circle flight feature.

3.6 Auto Hover

The drone features an auto-hover function, allowing it to maintain a stable altitude without constant throttle input. This makes it easier to control and ideal for capturing steady aerial footage.



Figure 9: The drone's auto-hover capability.

3.7 Adjustable Camera

The drone is equipped with a camera that can be adjusted to capture different angles. By moving the camera up and down, the operator can get a better field of view to meet shooting needs. The camera supports 480p video capture resolution and JPEG image format.

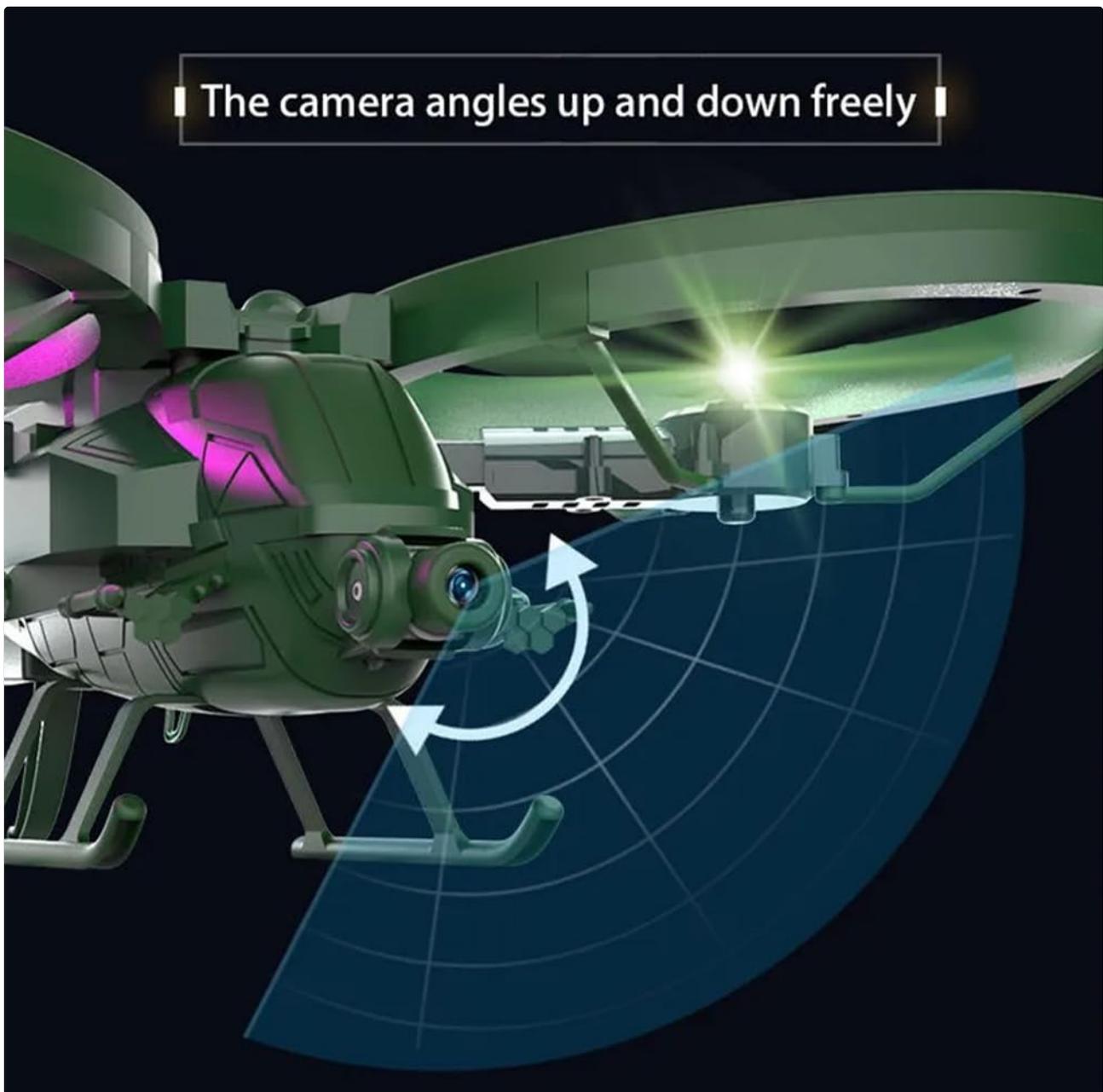
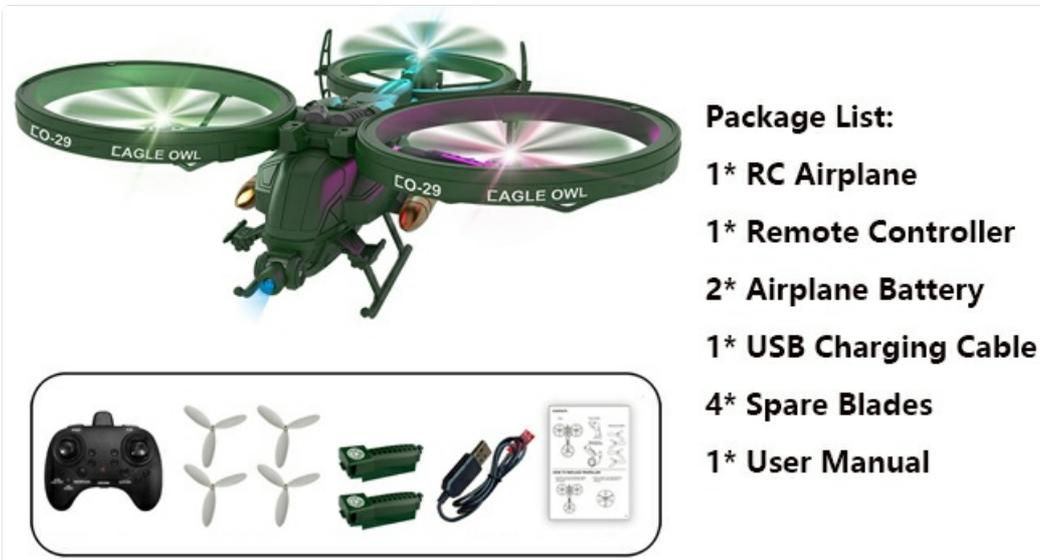


Figure 10: The drone's camera with adjustable angle.

3.8 LED Lights

The drone is equipped with LED lights, which can provide lighting effects at night or in low light environments, increasing visibility and safety during flight. These lights also add to the visual appeal of the drone.



Package List:

- 1* RC Airplane**
- 1* Remote Controller**
- 2* Airplane Battery**
- 1* USB Charging Cable**
- 4* Spare Blades**
- 1* User Manual**

Figure 11: The drone's integrated LED lights.

3.9 Adjustable Speed

The drone offers three-speed fast and slow speed switching, making it very suitable for beginners to practice flying and for experienced users to enjoy more dynamic maneuvers.



Figure 12: Adjustable speed settings for various skill levels.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the drone to ensure optimal performance. Use a soft, dry cloth to wipe down the body. Avoid using harsh chemicals or excessive moisture, which can damage electronic components.

4.2 Propeller Replacement

If propellers become damaged or bent, they should be replaced immediately to maintain stable flight. The package includes 4 spare blades.

1. Gently remove the damaged propeller from its motor shaft.
2. Ensure the new propeller is correctly oriented (some propellers are designed for specific rotation directions).
3. Press the new propeller firmly onto the motor shaft until it is secure.

4.3 Battery Care

To prolong battery life:

- Do not overcharge or over-discharge the battery.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge the battery to about 50% before storage.

5. TROUBLESHOOTING

5.1 Drone Does Not Respond to Remote Control

- Ensure both the drone and remote control are powered on.
- Check if the batteries in both the drone and remote control are fully charged.
- Re-pair the drone and remote control by following the initial setup instructions.
- Ensure there is no significant interference from other 2.4GHz devices.

5.2 Unstable Flight / Drifting

- Calibrate the gyroscope before flight by placing the drone on a flat surface and following the calibration procedure in the quick start guide (if applicable).
- Check for damaged or bent propellers and replace them if necessary.
- Ensure there are no obstructions in the propeller's path.
- Adjust the trim settings on the remote control to correct minor drifting.

5.3 Short Flight Time

- Ensure the battery is fully charged before each flight.
- Battery performance can degrade over time; consider replacing old batteries.
- Avoid continuous high-speed flight or aggressive maneuvers, which consume more power.

6. SPECIFICATIONS

Feature	Detail
Brand	GoolRC
Model Name	RC Plane Drone

Feature	Detail
Product Dimensions	11.02"L x 9.84"W x 2.76"H
Item Weight	1.27 pounds
Battery Capacity	650 Milliamp Hours
Maximum Range	100 Meters
Video Capture Resolution	480p
Control Type	Remote Control
Material	Plastic
Recommended Age	16 years and up

7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product packaging or contact GoolRC customer support directly. Keep your purchase receipt as proof of purchase.

Manufacturer: GoolRC

For technical support or inquiries, please visit the official GoolRC website or contact their customer service channels as provided in your product documentation.