GoolRC GGG0908257162021WX

GoolRC C186 RC Helicopter User Manual

Model: GGG0908257162021WX
Brand: GoolRC

INTRODUCTION

This user manual provides detailed instructions for the safe operation, setup, and maintenance of your GoolRC C186 RC Helicopter. Designed with an aileronless single propeller and 6-axis gyroscope stabilization, this model offers stable flight characteristics, making it suitable for both beginners and experienced pilots. Please read this manual thoroughly before operating the helicopter to ensure proper usage and to maximize your flying experience.

WHAT'S IN THE BOX

Upon unboxing, please verify that all components listed below are present:

- Remote Control Helicopter
- Remote Controller
- Flight Battery (x3)
- USB Cable
- Spare Propeller
- Wrench
- Screwdriver
- Tail Propeller
- User Manual

Figure 1: Contents of the GoolRC C186 package, including the helicopter, remote controller, and three modular batteries.

PRODUCT OVERVIEW

Familiarize yourself with the main components of your GoolRC C186 RC Helicopter and its remote controller.

Helicopter Components

- **Main Rotor:** Provides lift and thrust.
- **Tail Rotor:** Controls yaw (left/right rotation).
- **Modular Battery Compartment:** For easy and fast battery installation.
- **Nose Searchlight:** For improved visibility during night flights.
- **Landing Skids:** Provides stable landing.

SPEED REGULATION
MORE EXCITING FLIGHT EXPERIENCE

The flight speed of the helicopter can be adjusted freely

slow mode

Medium mode

High mode

Figure 2: Close-up view of the GoolRC C186 helicopter, highlighting the nose searchlight for night flying.

Remote Controller Layout

Figure 3: The remote controller for the GoolRC C186, with labels indicating the functions of each button and joystick, including speed, direction, fine-tuning, and one-key take-off/landing.

- **Left Joystick (Throttle/Yaw):** Controls altitude (up/down) and rotation (left/right).
- **Right Joystick (Direction):** Controls forward, backward, left side fly, and right side fly.
- **One Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Power Switch:** Turns the controller on/off.
- **L/R Throttle Mode Switch:** Changes throttle mode (refer to manual for specific instructions).

SETUP

1. Battery Installation and Charging

The GoolRC C186 uses modular batteries for convenient installation and replacement.

1. Insert the flight battery into the helicopter's battery compartment until it clicks into place.
2. To charge the battery, connect the USB charging cable to the battery and then to a USB power source (e.g.,

computer USB port, USB wall adapter). The charging indicator will show the charging status.

3. Ensure the battery is fully charged before each flight for optimal performance. A single 350mAh lithium battery provides approximately 15 minutes of flight time.

Figure 4: The modular battery design of the GoolRC C186, emphasizing ease of replacement and the 350mAh lithium battery with 15 minutes of flight time.

2. Remote Controller Setup

1. Install 4 AA batteries (not included) into the remote controller.
2. Turn on the remote controller using the power switch.
3. Turn on the helicopter. Place it on a flat surface.
4. The helicopter and controller will automatically pair. A successful pairing is indicated by a solid light on the helicopter.

OPERATING INSTRUCTIONS

Flight Modes and Features

- **6G Mode:** Utilizes a 6-axis gyroscope for enhanced flight stability, making it ideal for beginners.
- **Altitude Hold:** The helicopter maintains a stable altitude automatically, allowing for easier control.
- **Speed Regulation:** Adjust the flight speed between slow, medium, and high modes for varying flight experiences.

Figure 5: Illustration of the GoolRC C186's speed regulation feature, showing selectable slow, medium, and high flight modes.

Basic Flight Operations

1. **Take-off:** Place the helicopter on a flat, open surface. Press the "One Key Take-off" button on the remote controller. The helicopter will automatically ascend to a stable hovering height.
2. **Landing:** Press the "One Key Landing" button. The helicopter will slowly descend and land automatically.
3. **Throttle Control:** Use the left joystick to increase or decrease altitude.
4. **Directional Control:** Use the right joystick to move the helicopter forward, backward, left, or right.
5. **Yaw Control:** Push the left joystick left or right to rotate the helicopter on its vertical axis.
6. **Fine-tuning:** If the helicopter drifts in any direction during hover, use the corresponding fine-tuning buttons on the

remote to correct the drift until it hovers steadily.

Figure 6: Visual representation of the one-key take-off and landing function, simplifying flight initiation and termination for users.

Night Flying

The GoolRC C186 is equipped with a nose searchlight, enhancing visibility and making it safer for low-light or night flying conditions.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your helicopter.

- **Cleaning:** Gently wipe the helicopter with a dry, soft cloth after each use to remove dust and debris. Avoid using water or chemical cleaners.
- **Propeller Inspection:** Regularly check the main and tail propellers for any damage (cracks, bends). Replace damaged propellers immediately using the provided spare parts and tools.
- **Battery Care:**

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

- **Motor Inspection:** Ensure motors are free from obstructions and can spin freely.

TROUBLESHOOTING

This section addresses common issues you might encounter with your GoolRC C186 RC Helicopter.

Problem	Possible Cause	Solution
Helicopter does not respond to controller.	Not paired, low controller battery, helicopter battery low.	Re-pair the helicopter and controller. Replace controller batteries. Charge helicopter battery.
Helicopter drifts during flight.	Needs trim adjustment.	Use the fine-tuning buttons on the remote controller to correct the drift.
Short flight time.	Battery not fully charged, aging battery.	Ensure battery is fully charged. Consider replacing the battery if it's old.
Helicopter crashes easily / unstable.	Damaged propellers, strong wind, incorrect flight mode.	Inspect and replace damaged propellers. Fly in calm conditions. Ensure 6G mode is active for beginners.
Nose searchlight not working.	Physical damage to the light or wiring.	Inspect for visible damage. If damaged, contact customer support.

The helicopter features built-in protections such as low voltage alarm, locked rotor protection, and runaway protection to prevent damage during operation.

SPECIFICATIONS

Feature	Detail
Model Number	GGG0908257162021WX
Dimensions (Package)	12.99 x 10.35 x 3.43 inches
Item Weight	1.72 pounds
Recommended Age	14 years and up
Batteries	3 Lithium Polymer batteries required
Flight System	Aileronless, 6-axis Gyro Stabilization
Control Channels	4 Channel Design
Flight Features	Altitude Hold, One Key Take-off/Landing, Speed Regulation

Figure 7: Diagram showing the approximate dimensions of the GoolRC C186 RC Helicopter.

WARRANTY AND SUPPORT

GoolRC provides a warranty for this product. If you encounter any problems or require assistance, please contact the GoolRC store or customer support in a timely manner. They will provide a satisfactory solution to your concerns.
For further support and product information, you may visit the official GoolRC store:GoolRC Store on Amazon.