Revell 23808

Revell RC Quadcopter Fireball (Model 23808) Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your Revell RC Quadcopter Fireball, model 23808. The Fireball quadcopter features an innovative design with an illuminated rotation cage, LED lighting effects, a modern 6-axis stabilization system, headless mode, altitude sensor, and multiple speed settings for a dynamic flight experience.

Image 1.1: The Revell RC Quadcopter Fireball package contents, including the quadcopter, remote control, charging cable, and spare propellers.

2. SAFETY INFORMATION

Please read and understand all safety warnings before operating the Revell RC Quadcopter Fireball.

- **Warning:** Not suitable for children under 36 months due to small parts. Choking hazard.
- This product produces light pulses that may trigger epilepsy in sensitized individuals.
- Use under adult supervision.
- Read this manual carefully before first use.
- Retain the packaging as it contains important information.
- Color and technical changes are reserved by the manufacturer.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Revell RC Quadcopter Fireball
- 2.4 GHz Remote Control
- USB Charging Cable
- Spare Propellers (set of 4)
- Instruction Manual

4. SETUP

4.1. Remote Control Battery Installation

1. Locate the battery compartment on the back of the remote control.
2. Open the battery compartment cover.
3. Insert 3 AAA batteries (included) into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

Image 4.1: The 2.4 GHz remote control for the Revell RC Quadcopter Fireball.

4.2. Quadcopter Charging

The quadcopter contains a built-in rechargeable battery. Before first use, fully charge the quadcopter.

1. Connect the USB charging cable to the charging port on the quadcopter.
2. Connect the other end of the USB cable to a powered USB port (e.g., computer, USB wall adapter).
3. The charging indicator light will show the charging status (refer to the quadcopter's specific LED behavior for charging).
4. Once fully charged, disconnect the charging cable.

4.3. Pairing the Quadcopter and Remote Control

1. Ensure both the quadcopter and remote control are powered off.
2. Place the quadcopter on a flat, level surface.
3. Turn on the quadcopter. Its indicator lights will flash.
4. Turn on the remote control.
5. Push the left joystick (throttle) fully up, then fully down. The remote control will beep, and the quadcopter lights will become solid, indicating successful pairing.

5. OPERATING INSTRUCTIONS

5.1. Basic Flight Controls

Familiarize yourself with the remote control layout and functions:

- **Left Joystick (Throttle):** Up/Down controls altitude.
- **Left Joystick (Left/Right):** Controls rotation (yaw).
- **Right Joystick (Up/Down):** Controls forward/backward movement (pitch).
- **Right Joystick (Left/Right):** Controls left/right movement (roll).

Image 5.1: The compact size of the Revell RC Quadcopter Fireball, easily held in one hand.

5.2. Special Features

- **6-Axis Stabilization System:** Provides stable and controlled flight, suitable for various skill levels.
- **Altitude Sensor:** Automatically maintains a set altitude, simplifying flight control.
- **Headless Mode:** When activated, the quadcopter's orientation is relative to the pilot, regardless of its actual front direction. Press the dedicated button on the remote to activate/deactivate.
- **Speed Settings:** The quadcopter offers different speed levels (e.g., low, medium, high). Use the speed button on the remote to cycle through these settings.
- **LED Rotation Ring:** The illuminated rotation cage features an LED ring. This can be switched on or off via a dedicated button on the transmitter for stunning lighting effects.
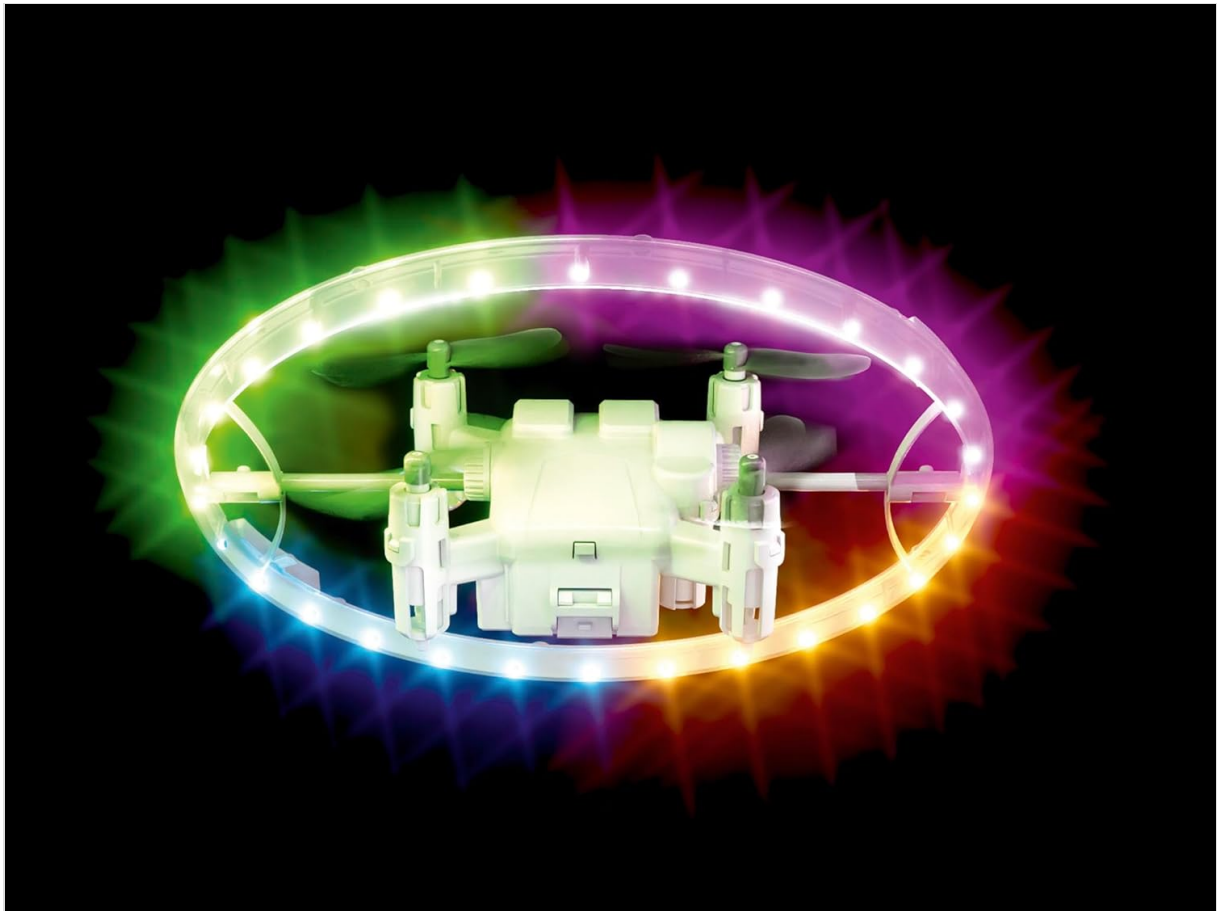
Image 5.2: The Revell RC Quadcopter Fireball showcasing its vibrant LED rotation ring.
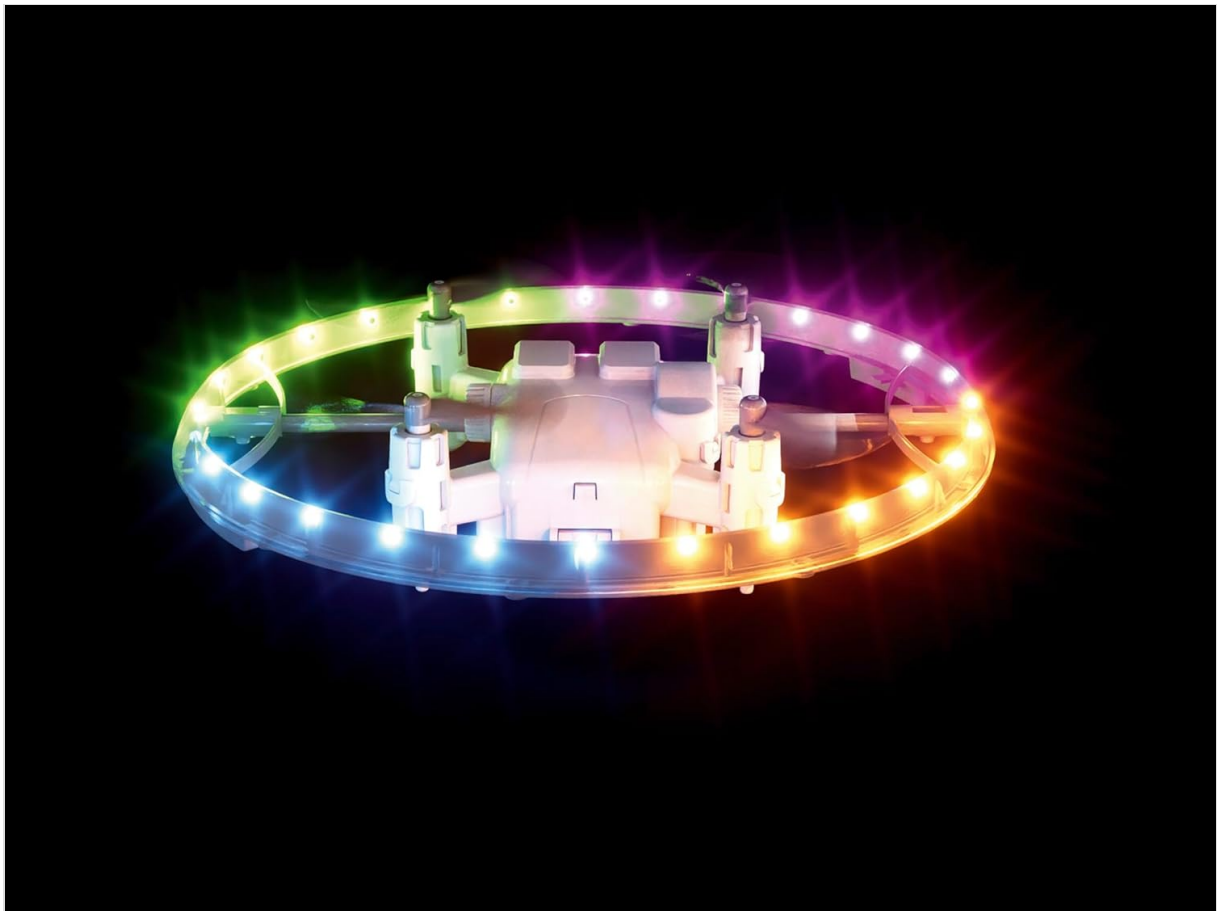

Image 5.3: An illustration of the Revell RC Quadcopter Fireball in flight, demonstrating its dynamic light effects.

6. MAINTENANCE

6.1. Cleaning

To maintain optimal performance, regularly clean your quadcopter:

- Use a soft, dry cloth to wipe down the body of the quadcopter and remote control.
- Remove any dust or debris from the propellers and motors. Avoid using water or harsh chemicals.

6.2. Propeller Replacement

In case of damage, propellers can be replaced:

1. Carefully remove the damaged propeller from its motor shaft.
2. Select a new propeller from the spare parts, ensuring it matches the original (propellers may be marked A or B).
3. Gently push the new propeller onto the motor shaft until it is secure.

7. TROUBLESHOOTING

If you encounter issues with your Revell RC Quadcopter Fireball, refer to the following common problems and solutions:

- **Quadcopter does not respond:** Ensure both the quadcopter and remote control are fully charged and properly paired. Check remote control batteries.
- **Unstable flight:** Recalibrate the quadcopter by placing it on a flat surface and following the calibration procedure (refer to specific remote control button combinations if available). Check for damaged propellers.
- **LED lights not working:** Ensure the LED rotation ring is switched on via the remote control. Check for any physical damage to the LED ring.
- **Short flight time:** Ensure the quadcopter battery is fully charged before each flight. Battery performance may decrease over time.

8. SPECIFICATIONS

Brand	Revell
Model Name	Fireball
Item Model Number	23808
Product Dimensions	13 x 13 x 3.3 cm
Item Weight	1.5 kg
Batteries	Quadcopter: Built-in rechargeable (details not specified); Remote: 3 AAA batteries (included)
Input Device	Remote Control
Platform	Android (refers to potential app compatibility, not operating system of device)
Country of Origin	Germany

9. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims or technical support, please contact Revell customer service directly. Refer to the product packaging or the official Revell website for contact information.