

## Revell Control 24974

# Revell Control Copter Ball RC Beginner Helicopter

MODEL: 24974

Brand: Revell Control

## 1. Introduction and Overview

The Revell Control Copter Ball is a remote-controlled helicopter designed for beginner pilots. Its unique football-like design and integrated LED lighting provide an engaging flight experience. The helicopter features a 1-channel infrared (IR) remote control for simple operation and is powered by an integrated LiPo battery, rechargeable via a USB cable. This model is specifically designed for indoor use due to its lightweight construction and infrared control technology.

### Key Features:

- 1-Channel IR Remote Control for easy operation.
- Integrated LED lighting for visual effects.
- Powerful LiPo battery (3.7V 75mAh).
- USB charging for convenience.
- Lightweight design (approx. 26g) for indoor flight.

## 2. Setup

1. **Unpacking:** Carefully remove the Copter Ball and all accessories from its packaging.
2. **Remote Control Batteries:** Insert 3 x 1.5V AAA batteries (not included) into the remote control. Ensure correct polarity.
3. **Charging the Copter Ball:** Connect the Copter Ball to a USB power source using the provided USB charging cable. The charging time is approximately 25 minutes for about 4-5 minutes of flight time. The charging indicator will typically change color or turn off once fully charged.



Figure 1: Revell Control Copter Ball in its retail packaging.



Figure 2: Contents of the Copter Ball package, including the helicopter, remote control, and USB charging cable.

### 3. Operating Instructions

The Copter Ball is controlled using its 1-channel IR handheld transmitter. This simple control system allows for vertical flight (up and down).

1. **Power On:** Ensure both the Copter Ball and the remote control are switched on. The Copter Ball typically has a small switch on its body.
2. **Pairing:** The helicopter and remote control should automatically pair. If not, refer to the remote control's specific instructions for pairing.
3. **Take-off:** Gently push the throttle stick (usually the left stick) upwards to increase rotor speed and lift the Copter Ball off the ground.
4. **Controlling Altitude:** Use the throttle stick to control the helicopter's altitude. Push up to ascend, pull down to descend.
5. **Landing:** Slowly pull the throttle stick downwards to reduce rotor speed and land the Copter Ball gently.
6. **LED Lights:** The integrated LED lights will activate during operation, enhancing visibility and visual appeal.

**Important Notes:**

- The Copter Ball is designed exclusively for **indoor use**. Outdoor flight may be affected by wind and sunlight, which can interfere with the IR signal.
- The flight range is approximately 5 meters.
- Typical flight time is 4-5 minutes per charge.



Figure 3: The Copter Ball held in a hand, illustrating its compact size and readiness for flight.

## 4. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the Copter Ball. Avoid using water or chemical cleaners.
- **Storage:** Store the Copter Ball and remote control in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Do not overcharge the LiPo battery. Disconnect the USB cable once charging is complete. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- **Rotor Blades:** Inspect rotor blades regularly for damage. Replace any damaged blades to ensure stable flight.

## 5. Troubleshooting

If you encounter issues with your Copter Ball, please refer to the following common solutions:

- **Helicopter not responding:** Ensure both the helicopter and remote control are switched on. Check if the remote control batteries are correctly inserted and have sufficient power. Re-pair the helicopter and remote control if necessary.
- **Helicopter not lifting off:** Ensure the Copter Ball's internal battery is fully charged. Check for any obstructions around the rotor blades.
- **Unstable flight:** Inspect rotor blades for damage or deformation. Ensure the helicopter is used indoors, away from drafts or strong air currents.
- **Short flight time:** Ensure the battery is fully charged before each flight. Battery performance may decrease over time with repeated use.

## 6. Specifications

Feature	Detail
Model Number	24974
Product Dimensions	15 x 15 x 10 cm
Weight	Approx. 26 g
Material	Plastic
Control Channels	1-Channel (Infrared)
Power Source	Integrated LiPo Battery (3.7V 75mAh)
Remote Control Batteries	3 x 1.5V AAA (not included)
Flight Time	Approx. 4-5 minutes
Charging Time	Approx. 25 minutes
Flight Range	Approx. 5 meters
Recommended Age	8 - 99 years

Special Features	Easy operation, LED lighting, USB charging
Included Components	Copter Ball with integrated LiPo battery, Infrared remote control, USB charging cable, Instruction manual

## 7. Safety Information

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- **Age Restriction:** Not suitable for children under 3 years due to small parts. Recommended for ages 8 and up.
- **Indoor Use Only:** This product is designed exclusively for indoor flight. Do not operate outdoors.
- **Supervision:** Adult supervision is recommended, especially for younger users.
- **Clear Area:** Operate the helicopter in a clear, open area, away from people, pets, furniture, and fragile objects.
- **Avoid Obstacles:** Do not fly near fans, air conditioners, or other objects that may create air currents or interfere with flight.
- **Body Parts:** Keep fingers, hair, and loose clothing away from rotating blades.
- **Battery Safety:** Do not attempt to modify or puncture the battery. Dispose of batteries responsibly.

## 8. Warranty and Support

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**Warranty:** This product comes with no explicit warranty as per manufacturer information.

**Support:** The Revell Control service department is available to assist with tips, tricks, and potential repairs for remote-controlled models. Suitable spare parts for Revell products are also available. For support, please contact the Revell Control service department.

*Note: No official product videos for the Revell Control 24974 Copter Ball were found from the seller.*