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Revell Control 23858 GO! Video Quadcopter Instruction Manual

Model: 23858 | Brand: Revell Control

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INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Revell Control 23858 GO! Video Quadcopter. Please read this manual thoroughly before operating the device and retain it for future reference.



Image: The Revell Control 23858 GO! Video Quadcopter, a white drone with red accents and propeller guards.

SAFETY INFORMATION

Always operate the quadcopter responsibly and safely. Failure to follow these guidelines may result in injury or damage to the product or property.

- Keep hands, face, and loose clothing away from rotating propellers.
- Do not fly near people, animals, or obstacles.
- Avoid flying in strong winds or adverse weather conditions.
- Ensure the battery is fully charged before each flight.
- Supervise children during operation. Recommended age range is 12 to 18 years.
- Do not modify the quadcopter or its components.
- Use only original Revell Control spare parts and accessories.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Quadcopter with detachable camera
- 4CH-2.4 GHz Remote Control
- Replaceable 3.7 V LiPo Battery (380 mAh)
- Propeller Guards
- Mountable Landing Skids
- USB Charger
- Replacement Rotor Set
- Instruction Manual (this document)



Image: All components of the Revell Control 23858 GO! Video Quadcopter package, including the drone, remote, battery, charger, and spare parts.

SETUP

1. Battery Charging

The quadcopter is powered by a rechargeable 3.7V LiPo battery. Before first use, fully charge the battery.

1. Connect the LiPo battery to the included USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. Charging time is approximately 60-90 minutes. Do not overcharge.
5. Disconnect the battery once charging is complete.



Image: The 3.7V LiPo battery for the quadcopter.

2. Quadcopter Battery Installation

1. Ensure the quadcopter's power switch is in the OFF position.
2. Locate the battery compartment on the underside of the quadcopter.
3. Carefully insert the charged LiPo battery into the compartment.
4. Connect the battery's plug to the quadcopter's power port.
5. Close the battery compartment securely.

3. Remote Control Battery Installation

The remote control requires 4x 1.5V AA batteries (not included).

1. Open the battery compartment on the back of the remote control.
2. Insert 4 new 1.5V AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.



Image: The 4-channel 2.4 GHz remote control for the quadcopter.

4. Propeller Guard and Landing Skid Installation

Attach the propeller guards and landing skids for added protection during flight and landing.

1. Carefully snap the propeller guards onto the arms of the quadcopter, ensuring they are securely fastened around each propeller.
2. Attach the landing skids to the designated slots on the underside of the quadcopter.

5. Camera Attachment (if detached)

If the camera is not pre-attached, carefully slide it into the designated slot on the underside of the quadcopter and connect its cable.

Note: For video and photo recording, a Micro SD card (not included) must be inserted into the camera's slot.

OPERATING INSTRUCTIONS

1. Pairing the Quadcopter and Remote Control

1. Place the quadcopter on a flat, level surface.
2. Turn on the quadcopter's power switch. The indicator lights will flash.

3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The quadcopter's lights will stop flashing and remain solid, indicating successful pairing.

2. Pre-Flight Checks

- Ensure both quadcopter and remote control batteries are fully charged.
- Check that all propellers are securely attached and undamaged.
- Verify that propeller guards and landing skids are properly installed.
- Ensure the flight area is clear of obstacles, people, and animals.
- Avoid flying in windy conditions.

3. Basic Flight Controls

The 4-channel 2.4 GHz remote control allows for precise flight maneuvers.

- **Left Joystick (Throttle/Yaw):**
 - Push up/down: Increase/decrease altitude (Throttle).
 - Push left/right: Rotate quadcopter left/right (Yaw).
- **Right Joystick (Pitch/Roll):**
 - Push up/down: Move quadcopter forward/backward (Pitch).
 - Push left/right: Move quadcopter left/right (Roll).
- **Trim Buttons:** Use these to fine-tune the quadcopter's stability if it drifts in any direction during hover.



Image: The quadcopter being held in a hand, illustrating its size and portability.

4. Advanced Flight Functions

- **Speed Levels:** The quadcopter offers multiple speed settings (convenient to fast). Refer to the remote control diagram for the specific button to cycle through speed modes.
- **Headless Mode:** This mode simplifies flight by orienting the quadcopter relative to the pilot, regardless of the drone's actual front direction. Activate via the designated button on the remote.
- **Flip Function:** Perform aerial stunts with the flip button. Ensure sufficient altitude and clear space before attempting.

5. Video and Photo Recording

The integrated camera allows for capturing videos and photos.

1. Ensure a Micro SD card is inserted into the camera.
2. Power on the quadcopter and remote control.
3. Refer to the remote control diagram for the specific buttons to start/stop video recording and take photos.
4. Video resolution is 1080p, and effective still resolution is 0.3 MP.
5. Files are saved in MP4 format on the Micro SD card.
6. To access recordings, remove the Micro SD card and insert it into a computer or card reader.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the quadcopter and remote control. Do not use solvents or harsh chemicals.
- **Propeller Replacement:** If a propeller is damaged, replace it with a new one from the included replacement rotor set. Ensure the correct propeller (A or B) is installed on the corresponding motor.
- **Battery Care:**
 - Do not puncture, disassemble, or expose the battery to extreme temperatures.
 - Store the battery in a cool, dry place when not in use.
 - If the quadcopter will not be used for an extended period, remove the battery from both the quadcopter and the remote control.
- **Storage:** Store the quadcopter and its components in a safe, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Quadcopter does not power on.	Battery not charged or not connected.	Charge the LiPo battery. Ensure the battery is correctly connected to the quadcopter.
Remote control does not power on.	AA batteries are dead or incorrectly installed.	Replace AA batteries, ensuring correct polarity.
Quadcopter and remote control do not pair.	Pairing sequence not followed correctly.	Repeat the pairing steps (power on quadcopter, then remote, throttle up-down). Ensure devices are close to each other.
Quadcopter drifts during flight.	Needs trimming.	Use the trim buttons on the remote control to adjust stability.
Short flight time.	Battery not fully charged; battery degradation.	Ensure battery is fully charged before each flight. LiPo batteries have a limited lifespan; consider replacing if performance significantly degrades.

Problem	Possible Cause	Solution
Poor video/photo quality or no recording.	No Micro SD card; card full or corrupted; camera not connected.	Insert a formatted Micro SD card. Check camera connection. Ensure sufficient lighting for recording.
Limited control range.	Interference; low remote battery.	Ensure no strong radio interference sources nearby. Replace remote control batteries.

SPECIFICATIONS

Feature	Detail
Brand	Revell Control
Model Name	23858
Special Feature	Portable
Age Range (Description)	12 years To 18 years
Color	Multicolor (predominantly white with red accents)
Video Capture Resolution	1080p
Effective Still Resolution	0.3 MP
Connectivity Technology	USB (for charging)
Included Components	Quadcopter with detachable camera, 4CH-2.4 GHz Remote Control, replaceable 3.7 V LiPo Battery (380 mAh), propeller guards, mountable landing skids, USB charger, replacement rotor set, instruction manual
Skill Level	Professional (as per manufacturer, but suitable for age range 12-18)
Item Weight	0.2 Kilograms (approx. 7 ounces)
Battery Capacity	380 mAh (LiPo)
Video Capture Format	MP4
Remote Control Technology	Radio (2.4 GHz)
Control Type	Remote Control
Material	Plastic
Wireless Communication Technology	Radio
Battery Cell Composition	Lithium Polymer
Are Batteries Included	No (for remote control, quadcopter battery is included)
Video Output Resolution	1080p
Remote Control Included?	Yes

Feature	Detail
Optical Sensor Technology	CMOS
Rechargeable Battery Included	Yes (for quadcopter)
Product Dimensions	20.08 x 13.39 x 3.54 inches

WARRANTY INFORMATION

Specific warranty details for the Revell Control 23858 GO! Video Quadcopter are not provided in this manual. Please refer to the warranty card included with your product or contact Revell Control customer service for detailed information regarding warranty coverage and terms.

CUSTOMER SUPPORT

If you encounter any issues or have questions not covered in this manual, please contact Revell Control customer support or your retailer for assistance. Keep your purchase receipt and product model number (23858) ready when contacting support.