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- › [DICKIE TOYS](#) /
- › [Dickie Toys 201119437 DT-QL Livecam RC Quadrocopter User Manual](#)

DICKIE TOYS 201119437

Dickie Toys DT-QL Livecam RC Quadrocopter User Manual

Model: 201119437

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your Dickie Toys DT-QL Livecam RC Quadrocopter. Please read this manual thoroughly before first use and retain it for future reference. The DT-QL Livecam Quadrocopter features a remote control, WiFi connectivity for live camera transmission to a smartphone, and various flight functions.



Figure 1.1: The Dickie Toys DT-QL Livecam RC Quadrocopter and its remote control with a smartphone mounted for live view.

2. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- Dickie Toys DT-QL Livecam RC Quadrocopter
- Remote Control (4 channel, 2.4 GHz)
- Li-Po Battery (for quadrocopter)
- USB Charging Cable
- Instruction Manual (this document)

3. SETUP

3.1. Battery Installation

Quadrocopter Battery:

1. Locate the battery compartment on the quadrocopter.
2. Insert the provided Li-Po battery, ensuring correct polarity.
3. Securely close the battery compartment.

Remote Control Batteries:

1. Open the battery compartment on the back of the remote control.
2. Insert 4 x 1.5 volt R03 (AAA) batteries (not included), observing the correct polarity.
3. Close the battery compartment securely.



Figure 3.1: The remote control with a smartphone attached, showing controls and display.

3.2. Charging the Quadrocopter Battery

Connect the Li-Po battery to the USB charging cable. Plug the USB cable into a suitable USB power source (e.g.,

computer USB port, USB wall adapter). The charging time is approximately 80 minutes. Do not overcharge the battery.

3.3. Smartphone Connection (WiFi)

1. Download and install the dedicated "DT-QL Livecam" application on your smartphone (available for iOS and Android).
2. Power on the quadrocopter.
3. On your smartphone, go to WiFi settings and connect to the network named "DT-QL Livecam" (or similar, as indicated in the app).
4. Open the "DT-QL Livecam" app. You should see a live video feed from the quadrocopter's camera.
5. Mount your smartphone securely onto the remote control's holder.

4. OPERATING INSTRUCTIONS

4.1. Pairing the Remote Control

After installing batteries and charging, power on both the quadrocopter and the remote control. Move the left joystick (throttle) up and then down to pair the devices. A successful pairing will be indicated by a solid light on the quadrocopter.

4.2. Basic Flight Controls

- **Take-off/Landing:** Use the dedicated take-off/landing button or slowly push the left joystick (throttle) upwards to ascend. Pull it downwards to descend and land.
- **Forward/Backward:** Push the right joystick forward or backward.
- **Left/Right (Sideways):** Push the right joystick left or right.
- **Rotate Left/Right:** Push the left joystick left or right.

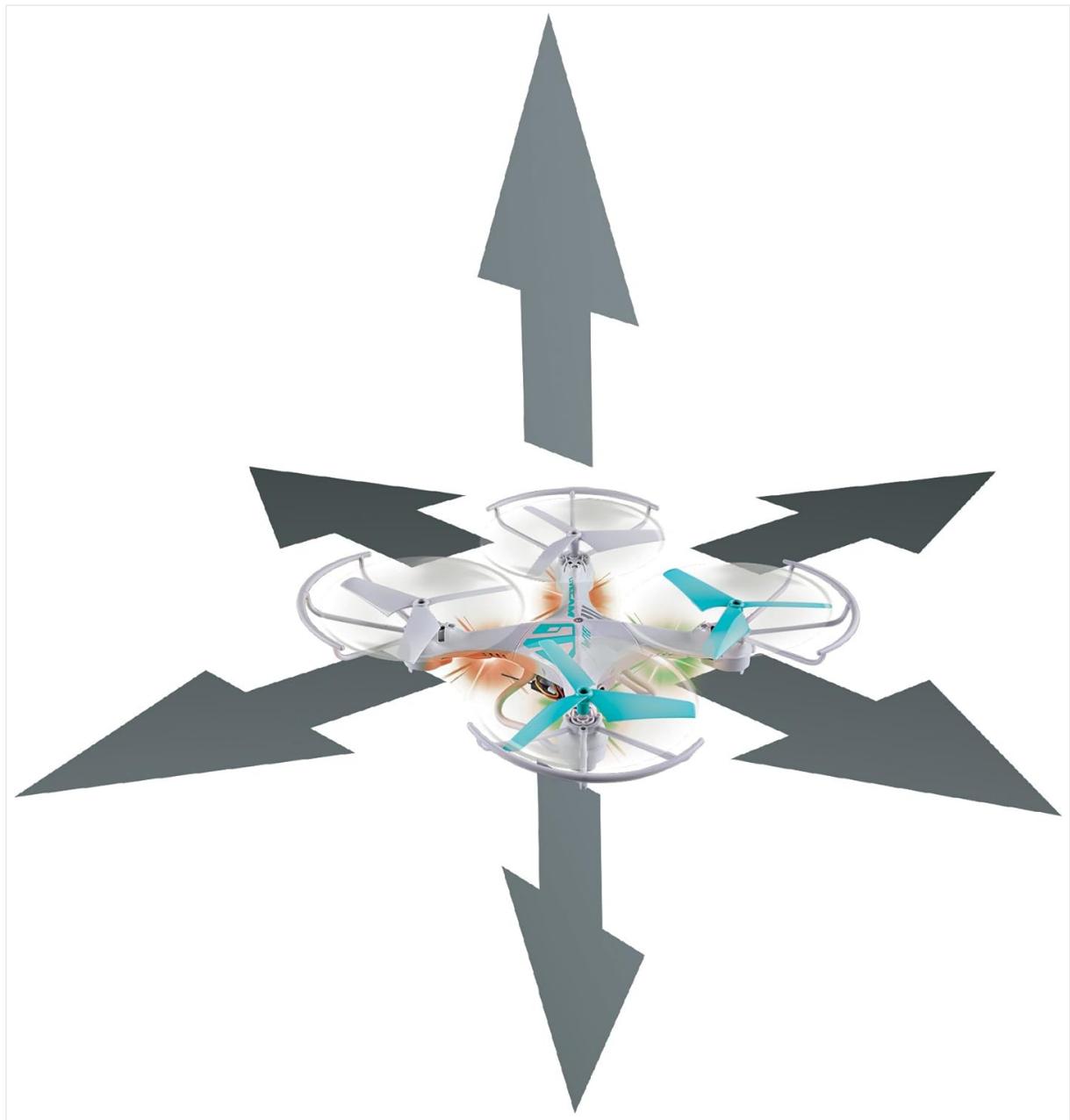


Figure 4.1: Illustration of the quadrocopter's multi-directional flight capabilities.

4.3. Advanced Flight Functions

- **Flip Function:** Press the designated flip button and then move the right joystick in the desired direction to perform a 360-degree flip.
- **Headless Mode:** Activate headless mode to simplify flight orientation. In this mode, the quadrocopter's front direction is relative to the pilot, regardless of its actual orientation.
- **Fine-Tuning:** Use the trim buttons on the remote control to adjust for any drift and ensure stable hovering.
- **Speed Settings:** Adjust flight speed using the speed control button (e.g., 40%, 70%, 100%).

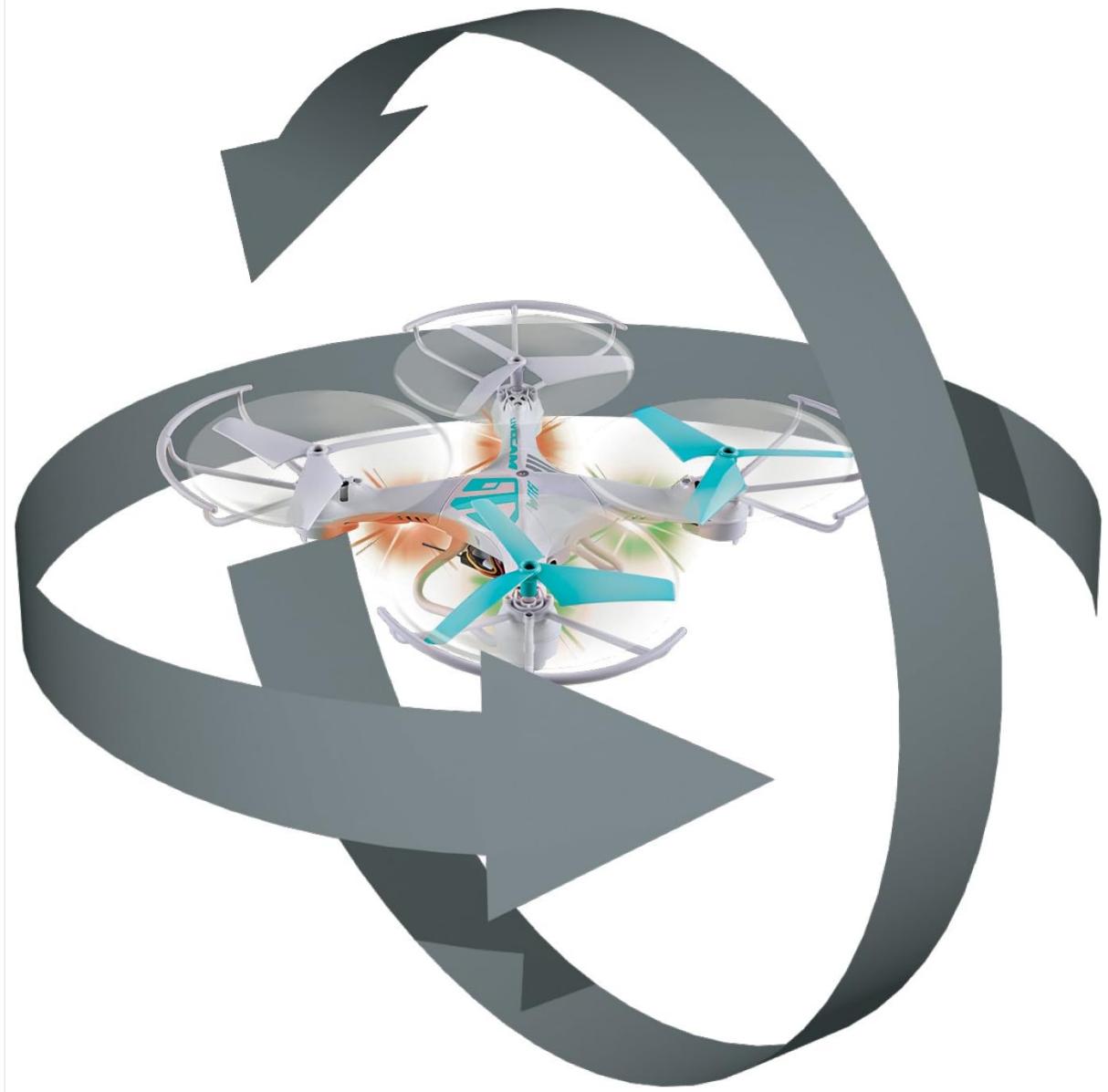


Figure 4.2: The quadrocopter executing a flip, demonstrating its acrobatic capabilities.

4.4. Camera Operation

With the smartphone app connected, you can:

- **View Live Feed:** See real-time video from the quadrocopter's camera on your smartphone screen.
- **Take Photos:** Tap the photo icon in the app to capture still images.
- **Record Videos:** Tap the video icon to start and stop video recording.
- Captured media will be saved directly to your smartphone's gallery.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the quadrocopter and remote control. Avoid using water or solvents.
- **Battery Care:**
 - Always disconnect the battery from the quadrocopter after use.
 - Store batteries in a cool, dry place.
 - Do not expose batteries to extreme temperatures.
 - If the quadrocopter will not be used for an extended period, remove batteries from both the quadrocopter and the remote control.

- **Propeller Inspection:** Regularly check propellers for damage. Replace any bent or broken propellers to ensure stable flight.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Quadrocopter does not respond to remote control.	Not paired; low battery in remote or quadrocopter.	Ensure both devices are powered on and paired correctly. Replace remote batteries or charge quadrocopter battery.
Quadrocopter drifts during flight.	Needs fine-tuning/trimming; damaged propeller.	Use trim buttons to adjust. Inspect and replace damaged propellers.
Live camera feed not appearing on smartphone.	WiFi not connected; app not open; quadrocopter not powered on.	Verify WiFi connection to the quadrocopter's network. Ensure the app is open and the quadrocopter is powered on.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged before each flight. Li-Po batteries have a limited lifespan and may need replacement over time.

7. SPECIFICATIONS

Feature	Detail
Brand	DICKIE TOYS
Model Name	DT-QL Livecam
Model Number	201119437
Control Type	Remote Control (4 channel, 2.4 GHz)
Connectivity Technology	Wi-Fi
Special Feature	Portable, Live Camera Transmission
Age Range (Recommended)	14 years and up
Video Capture Resolution	1080p
Video Capture Format	MP4
Battery Type (Quadcopter)	Lithium Polymer (Li-Po)
Battery Capacity	1800 mAh
Charging Time	Approximately 80 minutes
Flying Time	Up to 6 minutes
Remote Control Batteries	4 x 1.5 volt R03 (AAA) - <i>not included</i>
Product Dimensions	11.81 x 3.94 x 7.87 inches
Item Weight	10.2 ounces (0.29 Kilograms)

Feature	Detail
Material	Plastic

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Dickie Toys customer service.

Refer to the product packaging or the official Dickie Toys website for contact details.

Important: Keep your purchase receipt as proof of purchase for any warranty claims.