

4DRC V39

4DRC V39 RC Airplane with Camera User Manual

Model: V39

INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your 4DRC V39 RC Airplane with Camera. Please read this manual thoroughly before operating the aircraft to ensure proper function and to prevent damage or injury. The 4DRC V39 is a foam remote control airplane equipped with a 1080P FPV camera, designed for ease of use with features like one-key take-off, headless mode, and gravity control.

SAFETY INFORMATION

- Always operate the aircraft in open, unobstructed areas, away from people, animals, buildings, and power lines.
- Do not fly in strong winds or adverse weather conditions.
- Keep hands and face away from rotating propellers.
- Ensure batteries are fully charged before each flight.
- Supervise children during operation. Recommended age is 8 years and above.
- Do not modify the aircraft or its components.
- Turn off the aircraft and remote control when not in use.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 4DRC V39 RC Airplane (Blue)
- Remote Control
- Modular Lithium-Ion Batteries (2 included for aircraft)
- C Batteries (2 included for remote control)

- USB Charging Cable
- Spare Propellers (if included, typically)
- User Manual (this document)

PRODUCT OVERVIEW

Aircraft Components

The 4DRC V39 RC Airplane features a durable EPP foam body, integrated propellers with protective structures, and vibrant LED lights for visibility.



Image: The 4DRC V39 RC Airplane shown alongside its remote control, highlighting its design.

Remote Control Layout

The remote control provides intuitive access to all flight functions. Familiarize yourself with the joystick controls, trim buttons, and special function buttons before flight.

FPV Real-Time Transmission



Image: The remote control with a smartphone mounted, demonstrating FPV real-time transmission capability.

SETUP

1. Battery Installation and Charging

1. **Aircraft Battery:** Insert the modular Lithium-Ion battery into the designated compartment on the aircraft. Ensure it clicks securely into place. Connect the battery to the aircraft's charging cable and plug the USB end into a compatible USB power source (e.g., computer, USB wall adapter). The charging indicator will show the charging status. Disconnect once fully charged.
2. **Remote Control Batteries:** Open the battery compartment on the back of the remote control. Insert 2 C batteries, ensuring correct polarity (+/-). Close the compartment securely.

EASY TO FLY

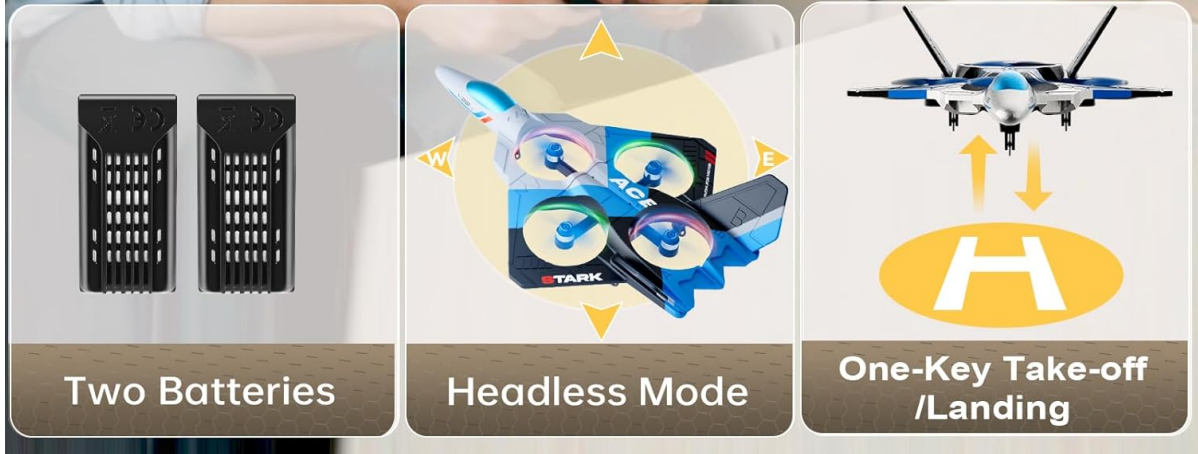


Image: Illustration showing the two modular batteries for the aircraft and a diagram for headless mode.

2. Power On and Pairing

1. Place the aircraft on a flat, level surface.
2. Turn on the aircraft's power switch. The LED lights will begin to flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The remote control will beep, and the aircraft's lights will become solid, indicating successful pairing.

OPERATING INSTRUCTIONS

Basic Flight Controls

- **One-Key Take Off/Landing:** Press the dedicated one-key take-off button to automatically launch the aircraft to a stable hovering altitude. Press it again to initiate an automatic landing.
- **Throttle (Left Joystick Up/Down):** Controls the aircraft's altitude. Push up to ascend, pull down to descend.
- **Directional Control (Right Joystick):** Controls forward, backward, left, and right movement.
- **Yaw (Left Joystick Left/Right):** Rotates the aircraft left or right on its vertical axis.

- **Trim Adjustment:** Use the trim buttons to fine-tune the aircraft's stability if it drifts in any direction during hover.
- **3 Speed Adjustment:** Press the speed button to cycle through low, medium, and high-speed modes, suitable for different skill levels and environments.

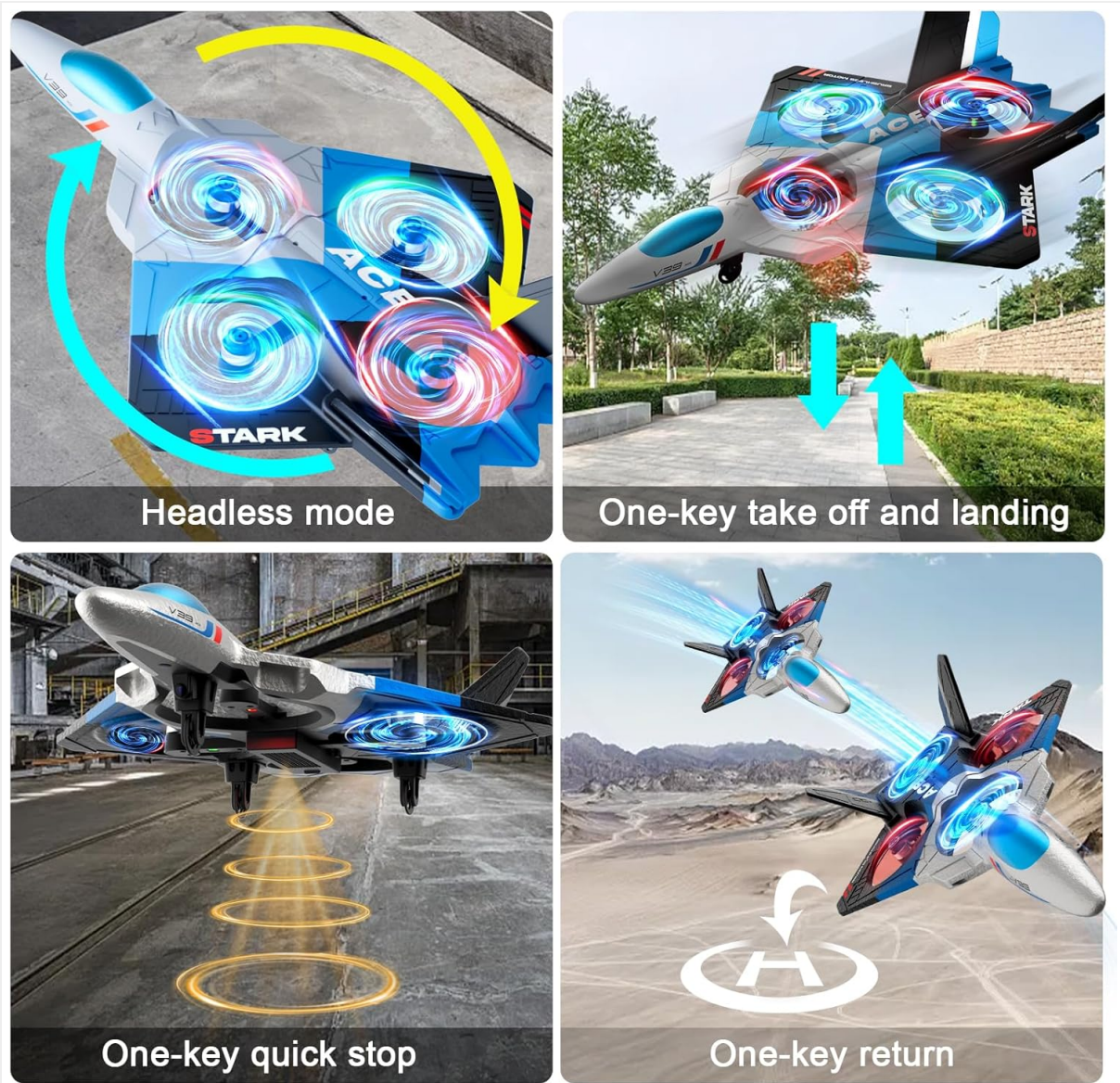


Image: Visual guide to various flight modes including headless mode, one-key take off/landing, one-key quick stop, and one-key return.

Advanced Features

- **1080P FPV Camera:** The integrated HD camera allows for real-time video transmission to a connected smartphone via the dedicated app. Capture aerial photos and videos from a bird's-eye perspective.
- **Gravity Control:** Utilize your smartphone's gravity sensor to control the aircraft's movement by tilting your phone.
- **Auto-Follow:** When activated, the aircraft can automatically follow a designated subject (requires specific app functionality and clear line of sight).
- **Trajectory Flight:** Draw a flight path on your smartphone screen, and the aircraft will automatically follow the specified route.
- **Headless Mode:** In headless mode, the aircraft's orientation is relative to the pilot, eliminating the need to adjust its position before flight. This simplifies control for beginners.
- **Altitude Hold:** The aircraft maintains a stable altitude automatically, allowing for easier control and

clearer aerial photography.

- **360° Circle Flight Stunt:** Press the designated button to perform an automatic 360-degree circling maneuver.
- **One-Key Return:** Activates an automatic return to the take-off point. Ensure a clear path for safe return.
- **Cool LED Light Show:** The aircraft features vibrant LED lights, enhancing visibility and providing an engaging visual experience, especially during night flights.



Image: The 4DRC V39 RC Airplane illustrating intelligent functions such as trajectory flight, gesture control, and gravity sensor capabilities.

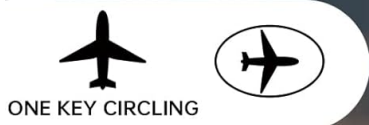


Image: The remote control being used to execute a 360-degree circle flight stunt with the aircraft.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the aircraft and remote control. Avoid using water or chemical cleaners.
- **Propeller Inspection:** Regularly check propellers for damage. Replace any bent or broken propellers immediately to ensure stable flight.
- **Battery Care:**
 - Do not overcharge or over-discharge the Lithium-Ion batteries.
 - Store batteries in a cool, dry place away from direct sunlight and heat.
 - If storing for extended periods, charge batteries to approximately 50% capacity.
- **Storage:** Store the aircraft and remote control in a safe place, away from extreme temperatures and moisture.

TROUBLESHOOTING

Problem	Solution
Aircraft does not respond to remote control.	Ensure both aircraft and remote are powered on. Re-pair the aircraft and remote control by following the "Power On and Pairing" steps. Check remote control battery levels.
Aircraft drifts during flight.	Use the trim buttons on the remote control to adjust for stable flight. Ensure the aircraft was placed on a flat surface during power-on. Avoid flying in windy conditions.
Short flight time.	Ensure aircraft batteries are fully charged before each flight. Battery performance can decrease over time; consider replacing old batteries.
Camera not working or FPV feed is unstable.	Ensure your smartphone is correctly connected to the aircraft's Wi-Fi network. Check the app for any connection issues. Ensure sufficient light for camera operation.
Aircraft is unstable or crashes easily in mild wind.	This aircraft is lightweight and designed for indoor or calm outdoor conditions. Avoid flying in any significant wind to prevent loss of control or damage.

SPECIFICATIONS

Feature	Detail
Model Name	V39
Brand	4DRC
Material Type	Foam (EPP)
Color	Blue
Item Dimensions	16 x 11 x 3 inches
Camera	1080P FPV
Flight Time	Up to 26 minutes (with 2 modular batteries)
Aircraft Battery Type	Lithium-Ion
Remote Control Batteries	2 C batteries (included)
Control Features	Gravity Control, Auto-Follow, Trajectory Flight, One Key Take Off/Land, Headless Mode, 3 Speed Adjustment, Altitude Hold, 360° Circle Flight Stunt, One-Key Return, One-Key Quick Stop
Recommended Age	8 years and up (Manufacturer Minimum Age: 96 months)

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official 4DRC website. Keep your purchase receipt as proof of purchase.

For common issues, please consult the Troubleshooting section of this manual.