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SuperRC S156

SuperRC S156 Beginner Drone User Manual

Model: S156

Brand: SuperRC

1. INTRODUCTION

1.1 Welcome

Thank you for choosing the SuperRC S156 Beginner Drone. This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your new quadcopter. Please read this manual thoroughly before operating the drone to ensure a safe and enjoyable experience.

1.2 Product Overview

The SuperRC S156 is a beginner-friendly drone featuring an FPV HD camera, brushless motors, and advanced obstacle avoidance capabilities. Its foldable design enhances portability, while the integrated 12.5cm LED screen on the remote control provides a clear view during flight. Key features include stable altitude hold, gesture selfie, auto-follow, 3D flip, and one-key start/landing, making it suitable for both kids and adults.

1.3 What's in the Box

- S156 Drone
- Remote Control with 12.5cm LED Screen
- 2 x Lithium Ion Batteries (1000 mAh each)
- Propellers (Installed + Spare Set)
- Propeller Guards
- Micro-USB Charging Cable
- Handbag for Storage and Transport
- User Manual



Image 1.1: Complete package contents of the SuperRC S156 Drone, including the drone, remote control, batteries, propellers, charging cable, and handbag.

2. SAFETY GUIDELINES

Operating a drone requires responsibility. Please adhere to the following safety guidelines to prevent injury or damage:

- **Pre-Flight Check:** Always inspect the drone and remote control for any damage before each flight. Ensure propellers are securely attached and undamaged.
- **Environment:** Fly in open areas, away from people, animals, buildings, and trees. Avoid flying near power lines or other obstructions.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog. Adverse weather can affect drone stability and control.
- **Line of Sight:** Always maintain visual line of sight with your drone during flight.
- **Battery Safety:** Use only the provided batteries and charging cable. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of swelling or damage.

- **Age Recommendation:** This product is recommended for users aged 14 and above.
- **Multiple Drones:** When operating multiple S156 drones simultaneously, power on and pair each drone and its remote control separately to prevent frequency interference and control confusion.
- **Respect Privacy:** Be mindful of others' privacy when using the camera feature.

3. COMPONENTS OVERVIEW

3.1 S156 Drone

The S156 drone features a compact, foldable design with integrated propeller guards for 360° surround protection. It is equipped with brushless motors for enhanced power and stability, and a 720P HD camera with 90° manual adjustment for versatile aerial photography.



Image 3.1: The S156 drone and its dedicated remote control unit.

Stabilization increases Upgrade the smart core

S156

Shock absorption and anti-shake
to improve picture quality.



Image 3.2: The drone's internal smart core and stabilization system, designed for shock absorption and anti-shake to improve picture quality.

Brushless power

Ride the wind and waves,
suitable for flying in
various venues



Image 3.3: Illustration of the brushless motor, providing powerful and efficient flight suitable for various environments.

Dual-camera switching Create more freely

S156

Clearly restore the shooting scene
Switch angles remotely



90° Remote control angle

50 times Zoom shooting

Image 3.4: The drone's dual-camera system, allowing for remote switching between camera angles and up to 50x zoom for versatile shooting.

3.2 Remote Control

The remote control features a large 12.5cm LED screen for real-time FPV viewing. It includes intuitive joysticks for flight control and dedicated buttons for various functions such as one-key take-off/landing, speed adjustment, and special maneuvers.

12.5cm large screen Remote control system



Image 3.5: The 12.5cm large screen remote control system, providing a clear display for flight and camera operations.

4. SETUP GUIDE

4.1 Battery Installation and Charging

1. Ensure the drone and remote control are powered off.
2. Insert the fully charged Lithium Ion batteries (1000 mAh each) into the drone's battery compartment. Ensure they click into place securely.
3. To charge the batteries, connect the Micro-USB cable to the battery and a suitable USB power source (e.g., computer USB port, USB wall adapter). The charging indicator will show charging status.
4. Charge the remote control's internal battery using the Micro-USB cable if applicable (refer to remote control specific instructions).

4.2 Propeller Installation (if necessary)

The S156 drone comes with pre-installed propellers. If you need to replace them:

1. Identify the correct propeller for each motor (marked A or B).

2. Carefully attach the propellers to their respective motor shafts, ensuring a snug fit.
3. Install the propeller guards by snapping them into place around each motor arm.

4.3 Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Power on the drone. The indicator lights will blink.
3. Power on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's indicator lights will become solid, indicating successful pairing.
5. If pairing fails, power off both devices and repeat the steps.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check that propellers are correctly installed and undamaged.
- Verify that the drone and remote control are successfully paired.
- Choose a safe, open flying area free from obstacles and people.

5.2 Take-off and Landing

- **One-Key Take-off:** Press the one-key take-off button on the remote control. The drone will automatically ascend to a stable hovering altitude.
- **Manual Take-off:** Slowly push the left joystick (throttle) upwards to make the drone ascend.
- **One-Key Landing:** Press the one-key landing button. The drone will automatically descend and land gently.
- **Manual Landing:** Slowly pull the left joystick (throttle) downwards until the drone lands.

5.3 Basic Flight Controls

- **Left Joystick (Throttle/Yaw):** Up/Down controls altitude. Left/Right controls rotation (yaw).
- **Right Joystick (Pitch/Roll):** Up/Down controls forward/backward movement (pitch). Left/Right controls left/right sideward movement (roll).
- **Speed Adjustment:** Use the speed button on the remote to cycle through different flight speeds (e.g., low, medium, high) for varying skill levels and conditions.

5.4 Advanced Features

- **Obstacle Avoidance:** The S156 features 360° obstacle avoidance, automatically detecting and navigating around obstacles to prevent collisions.
- **FPV HD Camera:** The 720P HD camera provides a live video feed to the remote control's screen. The camera angle can be manually adjusted by 90°.
- **Dual-Camera Switching:** Switch between the front and bottom cameras remotely to capture different perspectives.
- **Optical Flow Positioning:** This technology allows the drone to maintain a stable hover indoors or in areas with good ground texture, ensuring clearer real-time aerial photography.

Optical flow positioning hovering

Stay hovering in real-time Aerial photography is clearer



Image 5.1: The drone utilizing optical flow positioning to maintain a stable hover, resulting in clearer aerial photography.

- **Stable Altitude Hold:** The drone automatically maintains a set altitude, making it easier for beginners to control.
- **3D Flip:** Execute impressive 360° stunt rolls with a single button press.
- **Trajectory Flight:** Draw a desired flight path on the remote control's screen, and the drone will follow it automatically.

Diverse flights Rollable, trackable

S156

Support 360° stunt rolling
Trajectory refers to the flight



Image 5.2: The drone's ability to perform diverse flights, including 360° stunt rolling and following a user-defined trajectory.

- **Gesture Selfie:** Perform specific hand gestures to trigger photo or video recording.
- **Auto-Follow:** The drone can be set to automatically follow a designated subject.
- **One Button Return:** Initiates an automatic return to the take-off point.

6. MAINTENANCE

6.1 Cleaning

- Gently wipe the drone and remote control with a clean, dry, soft cloth.
- Do not use liquid cleaners or solvents, as they may damage electronic components.
- Remove any debris from the propellers and motors.

6.2 Battery Care

- Always fully charge batteries before use.
- Do not leave batteries charging unattended.

- If the drone will not be used for an extended period, charge the batteries to approximately 50% before storage to prolong their lifespan.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.

6.3 Storage

- Fold the drone arms for compact storage.
- Store the drone and all accessories in the provided handbag to protect them from dust and damage.
- Keep the drone and remote control in a cool, dry environment.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Low battery; Battery not installed correctly	Charge drone battery; Reinstall battery securely
Drone does not pair with remote	Incorrect pairing procedure; Interference	Repeat pairing steps carefully; Ensure no other drones are pairing nearby
Unstable flight / Drifting	Not calibrated; Damaged propellers; Wind interference	Perform gyroscope calibration (refer to remote control instructions); Replace damaged propellers; Fly in calm conditions
Camera not working / Poor image quality	SD card full/missing; Camera lens dirty; Poor lighting	Insert/replace SD card; Clean lens; Ensure adequate lighting
Short flight time	Battery not fully charged; Old battery; Aggressive flying	Fully charge battery; Consider replacing old batteries; Fly more conservatively

If you encounter issues not listed here, please refer to the detailed troubleshooting section in the full product manual or contact SuperRC customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	SuperRC
Model Name	S156
Color	Black
Product Dimensions	8" L x 7" W x 2" H
Item Weight	0.2 Kilograms (approx. 7 ounces)

Feature	Detail
Skill Level	Beginner
Video Capture Resolution	720p HD (90° manually adjustable camera)
Connectivity Technology	Wi-Fi
Battery Type	Lithium Ion
Battery Capacity	1000 Amp Hours (2 batteries included)
Special Features	One Key Rotation, Speed Adjustment, Rechargeable, Adjustable, One Button Return, Obstacle Avoidance, Brushless Motor, Optical Flow Hovering, 3D Flip, Trajectory Flight
Material	Plastic
UPC	751779287825

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the warranty card included with your purchase or visit the official SuperRC website. You may also contact SuperRC customer service directly through the contact information provided on their website or your purchase platform.

Please retain your proof of purchase for any warranty claims.

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