

SuperRC S156 Orange

SuperRC S156 FPV HD Drone User Manual

Model: S156 Orange

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SuperRC S156 FPV HD Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. The S156 drone features a high-definition camera, brushless motors, obstacle avoidance, stable hover capabilities, and an LED screen controller, designed for ease of use for beginners.

2. SAFETY GUIDELINES

- **Read the Manual:** Always read the entire instruction manual before operating the drone.
- **Age Recommendation:** This product is intended for adults.
- **Flight Environment:** Operate the drone in open, unobstructed areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Line of Sight:** Maintain visual line of sight with the drone at all times during flight.
- **Battery Safety:** Use only the provided batteries and charging cables. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Ensure propellers are securely attached before flight.
- **Obstacle Avoidance:** While the drone features obstacle avoidance, it is not foolproof. Always exercise caution and manual control.
- **Frequency Management:** When using multiple drones, power on and pair each drone and remote control separately to prevent frequency interference.
- **Legal Compliance:** Be aware of and comply with local regulations regarding drone operation, including registration requirements and no-fly zones.

3. PRODUCT OVERVIEW AND COMPONENTS

The SuperRC S156 drone package includes the following items:



Image 3.1: Contents of the SuperRC S156 Drone package, including the orange drone, two batteries, a remote controller with an LED screen, four spare propellers, a USB charging cable, a micro-USB adapter, and a carrying handbag.

- **S156 Drone:** Main aircraft with integrated HD camera and propeller guards.
- **Remote Controller:** Features an LED screen for FPV viewing and control sticks.
- **Batteries:** Two Lithium Ion batteries (1000 mAh each) for extended flight time.
- **Propellers:** Four spare propellers for replacement.
- **USB Charging Cable:** For charging drone batteries.
- **Micro-USB Adapter:** For data transfer or charging.
- **Handbag:** For convenient storage and transport.



Image 3.2: The SuperRC S156 drone with its approximate dimensions: 22.5cm length, 19cm width, and 5cm height.

4. SETUP

4.1 Charging the Drone Battery

1. Remove the drone battery from the drone.
2. Connect the USB charging cable to the battery.
3. Plug the USB cable into a suitable USB power adapter (e.g., 5V/2A).
4. The indicator light on the cable or battery will show charging status. Refer to the battery's specific instructions for full charge indication.
5. Charging typically takes approximately 60-90 minutes. Do not leave batteries unattended while charging.

4.2 Installing Drone Battery

Once charged, insert the battery firmly into the battery compartment on the drone until it clicks into place. Ensure it is

securely seated.

4.3 Propeller Installation/Replacement

The drone comes with propellers pre-installed. If replacement is necessary:

- Carefully remove the damaged propeller by gently pulling it upwards from the motor shaft.
- Match the new propeller to the correct motor. Propellers are typically marked (e.g., A or B) and must correspond to the markings on the drone's motor arms.
- Press the new propeller firmly onto the motor shaft until it is secure. Do not force it.



Image 4.1: The SuperRC S156 drone, showing a spare battery and propellers, highlighting the components for setup and maintenance.

4.4 Remote Controller Setup

The remote controller is equipped with an integrated LED screen. Ensure the controller is charged or has sufficient battery power before use.

- **Charging:** Connect the controller to a USB power source using its charging port.

- **Power On:** Press and hold the power button on the controller to turn it on.



*This data is tested in a non-disturbance and unobstructed environment

Image 4.2: The SuperRC S156 remote controller, featuring an integrated LED screen for real-time image transmission and flight data.

4.5 Pairing the Drone and Controller

1. Place the drone on a flat, level surface.
2. Power on the drone by pressing and holding its power button. The drone's indicator lights will flash.
3. Power on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down. The controller will emit a beep, and the drone's lights will become solid, indicating successful pairing.
5. If pairing fails, power off both devices and repeat the process.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure drone and controller batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Verify the drone and controller are successfully paired.
- Choose an open, safe flight area free from obstacles and people.

5.2 One-Key Takeoff and Landing

- **Takeoff:** After pairing, press the One-Key Takeoff button (usually marked with an upward arrow icon). The drone will automatically ascend to a stable hovering altitude.
- **Landing:** During flight, press the One-Key Landing button (usually marked with a downward arrow icon). The drone will slowly descend and land automatically.



Image 5.1: The SuperRC S156 drone highlighting the "One Key Take-off" feature, which simplifies initial flight operations.

5.3 Basic Flight Controls

The remote controller uses two joysticks for flight control:

- **Left Joystick (Throttle/Yaw):**
 - Push up/down: Controls altitude (ascend/descend).
 - Push left/right: Controls yaw (rotate left/right).
- **Right Joystick (Pitch/Roll):**
 - Push up/down: Controls pitch (fly forward/backward).
 - Push left/right: Controls roll (fly left/right sideways).

5.4 Special Features

- **Stable Hover (Optical Flow Positioning):** The drone utilizes optical flow sensors to maintain a stable position and altitude, making it easier to control, especially for beginners.
- **Obstacle Avoidance:** Equipped with sensors to detect and avoid obstacles, enhancing flight safety. Always remain vigilant and ready to take manual control.
- **FPV (First Person View):** The integrated LED screen on the controller provides a real-time video feed from the drone's camera, allowing for an immersive flight experience.
- **HD Camera & Adjustable Lens:** The drone features an HD camera with a 90° manually adjustable lens, allowing you to capture photos and videos from various angles.
- **Speed Adjustment:** The controller allows you to switch between different speed modes (e.g., low, medium, high) to suit your skill level and flight environment.
- **One-Button Return:** Pressing this button will command the drone to return towards its takeoff point. Note that this feature's accuracy can vary based on GPS availability and environmental factors.
- **One-Key Rotation:** Allows the drone to perform a 360-degree rotation with a single button press.
- **Gesture Photography:** The drone supports gesture-based commands for taking photos or starting video recording. Refer to the specific gesture instructions in the quick start guide or app.
- **Trajectory Flight:** Plan a flight path on the FPV app (if applicable) and the drone will follow it automatically.



Image 5.2: The SuperRC S156 drone showcasing its multiple functions, including gesture photography, emergency stop, trajectory flight, extended flight time, and one-key operation.

5.5 Recording Photos and Videos

To capture aerial footage:

- Ensure a compatible MicroSD card (not explicitly listed as included, but implied by "Micro-USB Adapter" and camera function) is inserted into the drone's camera slot (if applicable).
- Use the dedicated photo/video buttons on the remote controller to start/stop recording or take pictures. The LED screen will display the camera feed.

- To adjust the camera angle, manually adjust the lens before flight.

6. MAINTENANCE

6.1 Cleaning

- Wipe the drone and controller with a soft, dry cloth after each use.
- Avoid using water or cleaning solvents directly on electronic components.
- Remove any debris from propellers and motors.

6.2 Propeller Care and Replacement

- Regularly inspect propellers for cracks, bends, or damage. Replace immediately if any damage is found.
- Refer to Section 4.3 for propeller replacement instructions.

6.3 Battery Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50-60% capacity.
- Do not store fully charged or fully depleted batteries for extended periods.

6.4 General Storage

When not in use, store the drone and its accessories in the provided handbag to protect them from dust and damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not charged or not properly installed.	Charge the drone battery fully. Ensure the battery is inserted correctly and securely.
Controller does not power on.	Controller battery is depleted.	Charge the remote controller.
Drone and controller fail to pair.	Incorrect pairing procedure or interference.	Ensure both devices are powered off, then follow the pairing steps in Section 4.5 carefully. Avoid other active drones nearby.
Drone flies erratically or is unstable.	Propellers are damaged, improperly installed, or drone not calibrated on a flat surface.	Check all propellers for damage and correct installation. Ensure the drone is placed on a flat, level surface before takeoff for proper calibration.
Camera feed is not displayed on controller screen.	Connection issue or camera malfunction.	Ensure drone and controller are properly paired. Restart both devices. Check for any obstructions to the camera lens.
Short flight time.	Battery not fully charged or aging battery.	Ensure batteries are fully charged before each flight. Consider replacing old batteries if performance degrades significantly.

8. SPECIFICATIONS

Feature	Detail
Brand	SuperRC
Model Name	S156 Orange
Manufacturer Part Number	X226
Color	Orange
Material	Plastic (Aviation PA/PC material fuselage)
Item Weight	0.2 Kilograms (7 ounces)
Product Dimensions	8"L x 7"W x 2"H (22.5cm L x 19cm W x 5cm H)
Video Capture Resolution	720p (HD)
Connectivity Technology	Wi-Fi (for FPV transmission)
Battery Type	Lithium Ion
Battery Capacity	1000 mAh
Skill Level	Beginner
Special Features	Adjustable Camera, One Button Return, One Key Rotation, Rechargeable, Speed Adjustment, Obstacle Avoidance, Stable Hover (Optical Flow)

9. WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims, technical support, or inquiries regarding your SuperRC S156 drone, please contact SuperRC customer service through the retailer where the product was purchased or visit the official SuperRC brand store on Amazon:

[Visit the SuperRC Store on Amazon](#)

Please retain your proof of purchase for any warranty or support requests.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question