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SuperRC V666

SuperRC V666 Drone with Camera User Manual

Model: V666 | Brand: SuperRC

1. INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your SuperRC V666 Drone with Camera. Please read it thoroughly before first use to ensure proper setup and to maximize your flying experience. The V666 drone features a brushless motor, optical flow positioning, and an HD 180° adjustable camera, designed for both beginner and adult users.

2. SAFETY PRECAUTIONS

- Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- Battery Safety:** Use only the provided batteries and charging cable. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Ensure propellers are securely attached before flight.
- Line of Sight:** Always maintain visual line of sight with the drone during flight.
- Age Recommendation:** This product is suitable for users aged 14 and above.
- Interference:** Avoid flying near strong electromagnetic interference sources.
- Multiple Drones:** When operating multiple drones simultaneously, power on and pair each drone and its remote control separately to prevent frequency conflicts.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

Easy to use



Headless mode



One-click takeoff



One-click landing



One-click takeoff



Headless mode



One-click landing

Image: Overview of the SuperRC V666 Drone package contents, showing the drone, remote control with screen, two batteries, spare propellers, screwdriver, USB charging cable, card reader, and memory card.

- SuperRC V666 Drone
- Remote Control with Integrated Screen
- 2 x Lithium Ion Batteries (1000mAh each)
- Spare Propellers
- Propeller Guards
- Handbag
- Micro-USB Cable
- Screwdriver
- Card Reader
- Memory Card

4. COMPONENT IDENTIFICATION

4.1 Drone Overview

Entry-level It is enough to choose V666



Image: Detailed view of the SuperRC V666 Drone, showing the main body, camera, and protected propellers.

Familiarize yourself with the drone's key components:

- **Camera:** Front-mounted, 180° manually adjustable HD camera.
- **Propellers:** Four propellers with protective guards.
- **Brushless Motors:** Provide stable and powerful flight.
- **Battery Compartment:** Located on the drone's body.
- **Power Button:** For turning the drone on/off.
- **Body Light:** Integrated lighting for visibility.

4.2 Remote Control Overview

Select V666's Six reasons why



Remote control with screen Stabilize and pass quickly



Brushless power



Propeller protection

HD ESC with large main camera
180° remote control



Image: The remote control for the SuperRC V666 Drone, featuring a central display screen, dual joysticks, and multiple control buttons.

The remote control features:

- **Joysticks:** Left for throttle/yaw, right for pitch/roll.
- **Integrated Screen:** Displays flight information and live camera feed.
- **Power Button:** To turn the remote control on/off.
- **One-Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Adjustment Button:** Toggles between different flight speeds.
- **Photo/Video Buttons:** For capturing images and recording video.
- **Trim Buttons:** For fine-tuning drone stability.

5. SETUP

5.1 Battery Installation and Charging

1. Insert the fully charged Lithium Ion battery into the drone's battery compartment. Ensure it clicks into place securely.
2. To charge the battery, connect it to the Micro-USB cable and then to a USB power source (e.g., computer, USB wall adapter). The charging indicator will show the charging status.
3. Charge the remote control battery using its dedicated charging port and cable.

5.2 Propeller Installation

The drone comes with propeller guards pre-installed. If you need to replace propellers:

1. Identify the correct propeller type (A or B) for each motor. Propellers are typically marked.
2. Align the propeller with the motor shaft and press down firmly until it is secure.
3. Ensure all propellers rotate freely without obstruction.

5.3 Pairing the Drone and Remote Control



Image: Visual guide demonstrating the steps for powering on the drone, connecting the remote control, and initiating a one-click handheld take-off.

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until its indicator lights turn on.
3. Turn on the remote control.
4. The drone and remote control will automatically attempt to pair. Once paired, the drone's indicator lights will become solid.
5. **Note:** If operating multiple drones, power on and pair each drone and its remote control individually to avoid signal interference.

6. OPERATING INSTRUCTIONS

6.1 Basic Flight Controls

- **Left Joystick (Throttle/Yaw):**
 - Push up/down: Increase/decrease altitude (Throttle).
 - Push left/right: Rotate drone left/right (Yaw).
- **Right Joystick (Pitch/Roll):**
 - Push up/down: Move drone forward/backward (Pitch).
 - Push left/right: Move drone left/right (Roll).
- **Speed Adjustment:** Press the speed button on the remote to cycle through different flight speeds (e.g., low, medium, high).

6.2 One-Key Functions

Brushless power/optical flow positioning

Dual-electric
version



Remote control with screen



Spare blades



screwdriver



USB charging cable



card reader



Memory card



Battery*2

Image: Visual representation of the drone's Headless Mode, One-Click Take-off, and One-Click Landing functionalities.

- **One-Key Take-off:** Press the designated button once, and the drone will automatically ascend to a stable hovering height.
- **One-Key Landing:** Press the designated button once, and the drone will automatically descend and land gently.
- **One-Key Return:** Activates the drone's return-to-home function. The drone will attempt to return to its take-off point.

6.3 Headless Mode

In Headless Mode, the drone's orientation is relative to the pilot, regardless of which way the drone's front is facing. This simplifies control for beginners.

6.4 Gesture Control

The drone supports gesture-based photo and video capture. Perform specific hand gestures in front of the camera to trigger these functions during flight.

6.5 Camera Operation

- **Adjusting Camera Angle:** The camera lens can be manually adjusted 180° before flight to achieve the desired viewing angle.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control to take photos or start/stop video recording.
- **Live Feed:** The integrated screen on the remote control provides a real-time view from the drone's camera via Wi-Fi connectivity.
- **Storage:** Captured photos and videos are saved to the inserted memory card.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using solvents or harsh chemicals.
- **Propeller Replacement:** If propellers are damaged, replace them with spare parts using the provided screwdriver. Ensure correct propeller type (A or B) is used for each motor.
- **Storage:** Store the drone and its components in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or incorrectly installed.	Ensure battery is fully charged and properly inserted.
Drone fails to pair with remote control	Remote control not powered on, or pairing sequence incorrect.	Ensure both devices are powered on. Follow pairing steps (Section 5.3). Avoid multiple drones pairing simultaneously.
Drone drifts during flight	Not calibrated on a flat surface, or environmental factors.	Ensure drone is placed on a flat surface before take-off. Perform calibration if available (refer to remote control instructions). Avoid strong winds.
Poor camera image quality or no live feed	Weak Wi-Fi signal, camera lens dirty, or memory card issue.	Ensure drone is within Wi-Fi range. Clean camera lens. Check memory card for proper insertion and sufficient space.
Short flight time	Battery not fully charged, or battery degradation.	Fully charge batteries before each flight. Consider replacing old batteries if performance significantly degrades.

9. SPECIFICATIONS

Feature	Detail
Brand	SuperRC
Model Name	V666
Color	Grey
Item Weight	0.2 Kilograms (approx. 7 ounces)

Feature	Detail
Product Dimensions	7"L x 6"W x 2"H
Skill Level	Beginner
Motor Type	Brushless Motor
Camera	HD 180° Manually Adjustable
Video Capture Resolution	720p
Video Capture Format	MP4
Connectivity Technology	Wi-Fi, Radio Frequency
Optical Sensor Technology	Optical Flow, CMOS
Battery Type	Lithium Ion
Battery Capacity	1000 mAh
Control Type	Remote Control
Special Features	Adjustable Camera, One Button Return, One Key Rotation, Rechargeable, Speed Adjustment, Optical Flow Positioning

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact SuperRC customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance, you may visit the [SuperRC Store on Amazon](#).

Related Documents - V666

	<p>SuperRC Drone X226 VR User Manual and Guide</p> <p>Comprehensive user manual for the SuperRC Drone X226 VR, covering setup, operation, flight controls, camera functions, VR integration, maintenance, and troubleshooting for this 720P HD GPS quadcopter.</p>
	<p>WLtoys V666 UFO Quadcopter Drone Instruction Manual</p> <p>Comprehensive instruction manual for the WLtoys V666 UFO quadcopter drone, covering specifications, safety precautions, operation, troubleshooting, spare parts, and warranty information. Learn how to fly and maintain your drone safely.</p>

 <p>SuperRC Drone X226 VR User Manual Comprehensive user manual for the SuperRC Drone X226 VR, covering setup, operation, flight controls, camera functions, VR integration, maintenance, and troubleshooting for this 720P HD GPS quadcopter.</p>	<p>SuperRC Drone X226 VR User Manual and Guide Comprehensive user manual for the SuperRC Drone X226 VR, covering setup, operation, flight controls, camera functions, VR integration, maintenance, and troubleshooting for this 720P HD GPS quadcopter.</p>
 <p>V656 V666 VERSATILE 6-AXIS GYROSCOPE QUADROCOPTER 多功能6轴陀螺仪四轴飞行器 INSTRUCTION MANUAL 使用说明书</p>	<p>WLTOYS v656/v666 RC Helicopter User Manual and Flight Guide Comprehensive user manual for the WLTOYS v656 and v666 RC helicopters, covering setup, flight operations, safety guidelines, troubleshooting, and parts list. Learn to fly your drone safely and effectively.</p>
 <p>WLtoys Инструкция по обслуживанию и эксплуатации квадрокоптеров V262, 333, 323, 393, 606, 666, 656</p>	<p>Инструкция по обслуживанию и эксплуатации квадрокоптеров WLtoys Полное руководство по обслуживанию, эксплуатации и настройке квадрокоптеров WLtoys моделей V262, 333, 323, 393, 606, 666, 656. Включает меры безопасности, советы по полетам и устранение неполадок.</p>
 <p>RC Drone Compatibility List: Brands, Models, and Deviation Protocols</p>	<p>RC Drone Compatibility List: Brands, Models, and Deviation Protocols A comprehensive list of remote control (RC) drone and vehicle models, detailing their brands, types, communication modules, and compatible DeviationTX protocols. Includes specific comments and links to relevant online discussions.</p>