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› SuperRC YL3 Mini Drone Instruction Manual

SuperRC YL3

SuperRC YL3 Mini Drone Instruction Manual

Model: YL3 | Brand: SuperRC

INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your SuperRC YL3 Mini Drone. Please read it thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

WHAT'S IN THE BOX

The SuperRC YL3 Mini Drone package includes the following components:

- YL3 Mini Drone (Aircraft)
- Remote Control with Built-in Screen
- Lithium Ion Batteries (2 included)
- Propellers (Spare set)
- Propeller Guards (Pre-installed or separate)
- USB Charging Cable
- Micro-USB Cable
- Memory Card (if applicable, check packaging)
- Card Reader (if applicable, check packaging)

Optical flow dual cameras · Headless mode · Enhanced hovering



Aircraft



Battery



Color box



2.4-inch screen control remote



Memory card



Card reader



Fan blade



USB cable

Image: SuperRC YL3 Mini Drone with its various components laid out, including the aircraft, remote control, battery, memory card, card reader, fan blades (propellers), and USB cable.

PRODUCT OVERVIEW

The SuperRC YL3 Mini Drone is designed for ease of use and stable flight, featuring HD dual cameras and propeller safety protection. It offers three adjustable speed settings and various intelligent flight modes.



Image: The SuperRC YL3 Mini Drone showcasing its propeller safety protection and dual camera system.

Key Features:

- **HD Dual Cameras:** Capture aerial photos and videos with a tilt-adjustable camera and gesture recognition.
- **One-Touch Operation:** Features one-key takeoff, landing, optical hovering, and headless mode.
- **Secure & Durable Design:** Equipped with four sturdy propeller guards for safe flight and made from high-quality ABS material.
- **Screen Remote Control:** Provides precise control and real-time image transmission via a built-in display.
- **3 Speed Adjustable:** Allows for switching between low, medium, and high speeds.
- **360° Rolling:** Perform aerial stunts with ease.

SETUP

1. Battery Installation and Charging

The drone uses Lithium Ion batteries. Ensure both the drone battery and remote control batteries are fully charged before use.

1. **Drone Battery:** Insert the charged battery into the drone's battery compartment. Ensure it clicks securely into place.
2. **Charging:** Connect the USB charging cable to the drone battery (or drone directly if integrated) and to a USB power source. The indicator light will show charging status and turn off when fully charged.
3. **Remote Control Battery:** Install the required batteries (not specified in JSON, assume standard AA/AAA or internal rechargeable) into the remote control.

2. Propeller Installation (if not pre-installed)

Ensure propellers are correctly installed according to their rotation direction. Each propeller is marked (e.g., A or B) and corresponds to a specific motor.

1. Match the propeller type (A or B) with the corresponding motor shaft.
2. Press the propeller firmly onto the motor shaft until it is secure.
3. Verify all propeller guards are securely attached to protect the propellers and users.

3. Remote Control Overview

The remote control features a built-in 2.4-inch LCD screen for real-time image transmission and various control buttons.

2.4-inch LCD large screen Watch without a mobile phone

Brand-new high-definition real-time video transmission, longer and more stable
"Exciting moments, watch in real time!"



Image: Close-up view of the SuperRC YL3 remote control, highlighting its 2.4-inch LCD screen for live video feed.

Familiarize yourself with the joystick controls and function buttons before flight.

OPERATING INSTRUCTIONS

1. Power On and Pairing

1. Place the drone on a flat, level surface.
2. Power on the drone. The indicator lights will flash.
3. Power on the remote control.
4. Push the left joystick up then down to pair the remote with the drone. The drone's lights will become solid, indicating successful pairing.

2. One-Key Takeoff and Landing

The drone features a convenient one-key takeoff and landing function.

- **One-Key Takeoff:** After pairing, press the One-Key Takeoff button (often marked with an upward arrow or propeller icon) on the remote control. The drone will automatically ascend and hover at a stable altitude.

- **One-Key Landing:** During flight, press the One-Key Landing button (often marked with a downward arrow or landing icon). The drone will automatically descend and land gently.

Your browser does not support the video tag.

Video: Demonstration of the SuperRC YL3 Mini Drone's features, including one-key takeoff, comprehensive protection, modular battery, real-time image transmission, speed switching, and one-click landing.

3. Flight Controls

- **Joysticks:** Use the left joystick for altitude and rotation, and the right joystick for forward/backward and left/right movement.
- **Speed Adjustment:** Press the speed button (often marked with a gear icon or "1/2/3") to cycle through low, medium, and high-speed modes.
- **Headless Mode:** Activate Headless Mode to simplify flight orientation. In this mode, the drone's front will always be the direction the pilot is facing, regardless of the drone's actual orientation.
- **360° Rolling:** Press the 360° roll button and then push the right joystick in the desired direction to perform a flip.
- **Optical Flow Positioning:** The drone utilizes optical flow technology for stable hovering, especially indoors, by analyzing ground textures.



Image: The SuperRC YL3 Mini Drone maintaining a stable hover, illustrating its optical flow positioning capability.

4. Camera Operation

The YL3 drone is equipped with HD dual cameras for capturing photos and videos.

- **Taking Photos:** Press the photo button on the remote control to capture an image.
- **Recording Video:** Press the video button to start recording. Press it again to stop.
- **Real-time Transmission:** View the live camera feed directly on the remote control's built-in screen.



Image: The SuperRC YL3 Mini Drone and its remote control, emphasizing the dual cameras and adjustable speed settings.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using liquids or solvents.
- **Propeller Replacement:** If propellers are damaged, replace them with new ones from the spare set. Ensure correct A/B matching.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge.

SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports or restricted airspace.
- Keep hands and face away from rotating propellers.
- Supervise children during drone operation.
- Do not fly in strong winds or adverse weather conditions.
- Ensure the drone battery is fully charged before each flight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery; out of range.	Re-pair the drone and remote; charge batteries; ensure drone is within operating range.
Drone drifts during flight.	Not calibrated; uneven surface at takeoff; wind interference.	Calibrate the drone on a flat surface; ensure no strong winds.
Poor camera image quality or no live feed.	Weak signal; camera lens dirty; memory card issue.	Ensure drone is close to remote; clean lens; check memory card insertion/format.
Short flight time.	Battery not fully charged; old battery.	Fully charge battery; consider replacing old batteries.

SPECIFICATIONS

Feature	Detail
Brand	SuperRC
Model Name	YL3
Special Features	One Button Return, Rechargeable, Speed Adjustment, Headless Mode, Optical Flow Positioning
Age Range (Description)	Kid (suitable for beginners)
Color	Grey (product may come in other colors like orange or black)
Video Capture Resolution	720p
Connectivity Technology	Wi-Fi, RF (2.4G wireless signal)
Skill Level	Beginner
Item Weight	0.2 Kilograms (approx. 7 ounces)
Battery Capacity	1000 Amp Hours (Lithium Ion)
Video Capture Format	MP4
Control Type	Remote Control (with built-in screen)
Material	Plastic (ABS)
Product Dimensions	7"L x 6"W x 2"H

WARRANTY AND SUPPORT

Specific warranty information was not provided in the product data. For detailed warranty terms, technical support, or replacement parts,

please refer to the official SuperRC website or contact their customer service directly. Keep your purchase receipt as proof of purchase. You can visit the SuperRC Store for more information: [SuperRC Store on Amazon](#)

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.

Name

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Email

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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