

le-idea IDEA9LS2

LE-IDEA IDEA9LS2 Drone User Manual

Model: IDEA9LS2

INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, and maintenance of your LE-IDEA IDEA9LS2 drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury.

SAFETY GUIDELINES

Adhering to these safety guidelines is crucial for safe operation and to prevent accidents.

- **Age Recommendation:** This drone is suitable for users of all skill levels, including children, but adult supervision is recommended for younger operators.
- **Flight Environment:** Operate the drone in open, clear areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Propeller Safety:** The drone is equipped with fully enclosed propeller guards to prevent collisions and scratches. However, avoid contact with rotating propellers during operation.
- **Battery Safety:** Use only the provided batteries and charging cable. Do not overcharge batteries. Discontinue use if batteries show signs of damage or swelling.
- **Low Battery Warning:** Pay attention to the intelligent low-battery warning system. When the LED light flashes and the remote control emits a sound, land the drone promptly to prevent loss of control.
- **Water Exposure:** Avoid exposing the drone to water or moisture, as this can damage electronic components.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x LE-IDEA IDEA9LS2 Drone
- 1x Remote Control
- 2x Drone Batteries (Lithium Polymer)
- 4x Spare Propellers

- 1x Propeller Guard Set (pre-installed or separate)
- 1x USB Charging Cable
- 1x Wind Blade Wrench
- 1x Screwdriver
- 1x User Manual (this document)



Image: All components included in the LE-IDEA IDEA9LS2 drone package, laid out neatly. This includes the drone, remote control, two batteries, spare propellers, a USB charging cable, a wind blade wrench, and a screwdriver.

SETUP

1. Drone Assembly

The LE-IDEA IDEA9LS2 drone features a modular design, allowing for easy assembly and disassembly without complex tools. The main body, propellers, and battery can be independently attached or removed.

1. **Attach Propeller Guards:** If not pre-installed, gently snap the propeller guards onto the drone's motor arms. Ensure

they are securely fastened.

2. **Install Propellers:** If spare propellers are needed, use the provided wind blade wrench to carefully remove old propellers and install new ones, matching the rotation direction indicated on the drone and propellers.



Image: A close-up view of the drone highlighting the fully enclosed propeller protection cover, designed to safeguard blades and reduce flight risks.

2. Battery Charging and Installation

The drone uses modular Lithium Polymer batteries. Two batteries are included for extended flight time.

1. **Charge Batteries:** Connect the drone battery to the USB charging cable. Plug the USB cable into a standard USB power adapter (not included). The charging indicator will show charging status (e.g., red light for charging, green light for fully charged). Charging typically takes 60-90 minutes.
2. **Install Battery:** Slide a fully charged battery into the battery compartment on the drone's underside until it clicks securely into place.

3. Remote Control Setup

The remote control requires 3 AAA batteries (not included).

1. **Install Batteries:** Open the battery compartment on the back of the remote control and insert 3 AAA batteries, ensuring correct polarity. Close the compartment.
2. **Power On:** Slide the ON/OFF switch on the remote control to the "ON" position.

4. Pairing the Drone with the Remote Control

1. **Power On Drone:** Press and hold the power button on the drone until its indicator lights begin to flash.
2. **Power On Remote:** Turn on the remote control. The indicator light on the remote will flash.
3. **Pairing:** Push the left joystick (throttle) all the way up, then pull it all the way down. The drone's lights will stop flashing and remain solid, indicating successful pairing.

OPERATING INSTRUCTIONS

Basic Flight Controls

- **One-Key Takeoff/Landing:** After pairing, press the one-key takeoff/landing button (usually marked with an arrow pointing up/down) to automatically launch the drone or land it gently.

One Key Take-off/Landing



Image: The drone hovering above a landing pad, illustrating the one-key takeoff and landing function with an upward blue light indicating lift.

- **Throttle (Left Joystick):**

- Push up: Increase altitude.
- Pull down: Decrease altitude.
- Push left/right: Rotate drone left/right (yaw).

- **Directional Control (Right Joystick):**

- Push up/down: Move drone forward/backward.
- Push left/right: Move drone left/right (strafe).

Flight Modes and Special Features

- **3-Speed Modes:** The drone offers low, medium, and high flight speeds. Press the speed adjustment button on the remote (refer to remote diagram in manual) to cycle through the modes.

- **Low Speed:** Gentle movement, ideal for beginners and indoor flight.
- **Medium Speed:** Balanced speed and stability for experienced users.

- **High Speed:** Maximum acceleration for advanced users seeking thrilling flights.



Image: Illustrates the three distinct speed modes (Low, Medium, High) available for the drone, alongside visual cues for propeller protection and headless mode.

- **Headless Mode:** Press the headless mode button on the remote. In headless mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. This simplifies control for beginners. Press again to exit headless mode.
- **360° Flip:** While flying, press the 360° flip button (refer to remote diagram), then push the right joystick in any direction to perform an aerial flip. Ensure sufficient altitude and clear space before attempting.



Image: The drone executing a 360-degree flip, demonstrating its acrobatic capability in an indoor environment.

- **Infrared Battle Mode:** This mode allows two LE-IDEA IDEA9LS2 drones to engage in infrared combat.
 - a. Ensure both drones are paired and flying.
 - b. Aim your remote controller at the tail of the opponent's drone.
 - c. Press the infrared attack button on your remote.
 - d. Upon three successful hits, the target drone will slowly descend, indicating it has been "defeated."

3 Speed Mode

Three speed modes can be freely switched to meet the control needs of users at different stages. Even if you are a beginner, you can easily control and then perform faster and more challenging flights.



Image: Two LE-IDEA IDEA9LS2 drones in an indoor setting, illustrating the infrared battle mode with red lines representing infrared targeting between them.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using water or solvents.
- **Propeller Inspection:** Regularly check propellers for damage (bends, cracks). Replace any damaged propellers using the provided wind blade wrench to ensure stable flight.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted for long periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone and its components in a safe place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; remote/drone battery low; out of range.	Re-pair the drone and remote. Charge batteries. Ensure drone is within operating range.
Drone flies erratically or drifts.	Uncalibrated gyroscope; damaged propeller; strong wind.	Perform gyroscope calibration (refer to remote diagram for button). Replace damaged propellers. Fly in calm conditions.
Drone's lights flash and remote beeps.	Low battery warning.	Land the drone immediately and charge the battery.
Drone does not take off.	Not paired; battery not installed correctly; propellers blocked.	Ensure pairing is successful. Check battery connection. Clear any obstructions from propellers.

SPECIFICATIONS

Feature	Detail
Brand	LE-IDEA
Model Name	IDEA9LS2

Feature	Detail
Product Dimensions	14.5"L x 14.5"W x 3.6"H
Item Weight	12.3 ounces
Color	Green
Material	Plastic
Connectivity Technology	Wi-Fi, Radio Frequency
Control Type	Remote Control
Battery Type	Lithium Polymer (2 included)
Special Features	360 Degree Flip, Headless Mode, 3 Speed Modes, Infrared Battle Mode, Propeller Protection, One-Key Takeoff/Landing, Low Battery Warning
Skill Level	All

CUSTOMER SUPPORT

For any inquiries regarding features, operation, or device issues, please contact TTROARDS Customer Support. Our dedicated team provides comprehensive technical assistance and after-sales maintenance to ensure your satisfaction. Please refer to the product packaging or the official LE-IDEA website for the most current contact information.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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