

LE-IDEA IDEA9

LE-IDEA IDEA9 Mini Drone User Manual

Model: IDEA9 | Brand: LE-IDEA

1. SAFETY GUIDELINES

Please read this manual carefully before operating the LE-IDEA IDEA9 Mini Drone. Improper use may result in injury or damage. Keep this manual for future reference.

- **Age Recommendation:** This drone is suitable for users aged 8 and above. Adult supervision is recommended for younger users.
- **Flight Environment:** Fly in open, clear areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or rain.
- **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 fingers, hair, and loose clothing away from rotating propellers. The drone features propeller guards for enhanced safety.
- **Visual Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Emergency Stop:** Familiarize yourself with the emergency stop function on the remote control.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x LE-IDEA IDEA9 Mini Drone
- 1x Remote Control
- 2x Drone Batteries (Lithium Polymer)
- 4x Spare Propellers

- 4x Propeller Guards
- 1x USB Charging Cable
- 1x Screwdriver
- 1x Wind Blade Wrench
- 1x User Manual



Image: All components included in the LE-IDEA IDEA9 Mini Drone package.

Package Contents

1x Drone
1x Remote Control
2x Battery
4x Propeller
1x Wind Blade Wrench
1x Screwdriver
1x Charging Cable
4x Propeller Protection
1x User Manual



Image: Visual representation of the drone and its accessories.

3. ASSEMBLY

The LE-IDEA IDEA9 Mini Drone is designed for DIY assembly, offering an educational experience. Follow these steps to assemble your drone:

1. **Attach Propeller Guards:** Securely attach the four propeller guards to the drone's frame using the provided screws and screwdriver. Ensure they are firmly in place to protect the propellers during flight.
2. **Install Propellers:** Carefully attach the propellers to the motor shafts. Note that propellers are typically marked (e.g., A or B) and must be installed on the correct motor for proper flight. Refer to the drone's frame markings if available.
3. **Insert Battery:** Slide a charged drone battery into the battery compartment until it clicks into place.

Fun-to-Assemble Aircraft

Enjoy the DIY process, cultivate creativity and practical skills



Image: A child engaging in the DIY assembly of the drone, with components like the frame, propeller guards, and battery visible.

4. BATTERY CHARGING

The drone uses Lithium Polymer batteries. Proper charging ensures optimal performance and battery longevity.

- Connect the USB charging cable to the drone battery.
- Plug the other end of the USB cable into a USB power adapter (e.g., computer USB port, wall adapter).
- The indicator light on the charging cable will show the charging status (e.g., red for charging, off/green for fully charged).
- Charging time is approximately 60-90 minutes for a full charge.
- Do not leave batteries unattended while charging.

Low Battery Warning

When the drone's battery is low, the LED lights on the drone will flash continuously, and the remote control will emit an audible warning. Land the drone immediately when this warning occurs to prevent loss of control.



Image: Visual depiction of the low battery warning system in action.

5. REMOTE CONTROL OVERVIEW

The remote control operates on Radio Frequency (RF) technology. Familiarize yourself with its buttons and functions:

- **Left Joystick:** Controls throttle (up/down) and yaw (rotate left/right).
- **Right Joystick:** Controls pitch (forward/backward) and roll (left/right).
- **One-Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Mode Button:** Cycles through Low, Medium, and High-speed modes.
- **Headless Mode Button:** Activates/deactivates Headless Mode.
- **360° Flip Button:** Press and then move the right joystick to perform a flip.
- **Infrared Button (Competitive Mode):** Used to 'shoot' at another drone in competitive mode.
- **Trim Buttons:** Used to fine-tune the drone's stability if it drifts.
- **Power Switch:** Turns the remote control on/off.

Fun competitive mode

Infrared Target Shooting Game



Image: The LE-IDEA IDEA9 Mini Drone and its corresponding remote control.

6. OPERATING INSTRUCTIONS

6.1 Pairing the Drone and Remote

1. Ensure the drone battery is charged and installed.
2. Place the drone on a flat, level surface.
3. Turn on the drone's power switch. The drone's indicator lights will flash.
4. Turn on the remote control's power switch.
5. Push the left joystick (throttle) all the way up, then all the way down. The drone's indicator lights will stop flashing and remain solid, indicating successful pairing.

6.2 One-Key Take-off and Landing

- After pairing, press the One-Key Take-off/Landing button. The drone will automatically ascend to a stable hovering height.
- To land, press the One-Key Take-off/Landing button again. The drone will automatically descend and land gently.



Image: The drone executing an automatic take-off or landing maneuver.

One-Key Start/Landing

Simply press the corresponding button, and the drone can automatically complete takeoff or landing, eliminating the need for complex debugging processes. Easy to operate, especially suitable for beginners.



Image: Diagram showing the simplicity of one-key start and landing.

6.3 Speed Modes

The drone offers three speed modes: Low, Medium, and High. Press the Speed Mode button on the remote to cycle through them.

- **Low Speed:** Recommended for beginners and indoor flight, offering stable and easy control.
- **Medium Speed:** Balanced for general leisure flight.
- **High Speed:** For experienced pilots seeking faster, more agile flight.

3 Speed Adjustment



Image: Drones demonstrating the three available speed adjustments.

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: Diagram explaining the three speed modes and their applications.

6.4 Headless Mode

Headless Mode simplifies flight control by eliminating the need to distinguish the drone's front from its rear. In this mode, the drone's orientation is relative to the pilot.

- Press the Headless Mode button to activate. The drone's lights will indicate activation.
- Pushing the right joystick forward will always make the drone fly away from you, regardless of its actual orientation.
- Press the button again to deactivate Headless Mode.

Beginner Friendly



Image: The drone showcasing its propeller protection and the concept of Headless Mode.

Headless Mode

Headless mode simplifies direction control, making flight learning easier. It eliminates confusion about drone orientation and helps avoid losing direction during flight.



Image: Diagram illustrating how Headless Mode simplifies directional control.

6.5 360° Flips

Perform exciting aerial acrobatics with the 360° flip function.

- Ensure the drone is flying at a sufficient height (at least 2-3 meters).
- Press the 360° Flip button.
- Immediately move the right joystick in the desired direction (forward, backward, left, or right). The drone will perform a flip in that direction.

360° Flips

This drone has a cool 360° flip function that can flip and roll in any direction, adding excitement and fun to your flying experience.



Image: Diagram showing the drone executing 360-degree flips.

6.6 Competitive Mode (Infrared Target Shooting)

Engage in interactive battles with another LE-IDEA IDEA9 Mini Drone.

- Requires two LE-IDEA IDEA9 Mini Drones flying simultaneously.
- Aim the infrared sensor on your drone's controller towards the tail of the opponent's drone.
- Press the Infrared Button on your remote control to 'shoot'.
- If hit, the affected drone will spin in the air.
- After three successful hits, the affected drone will slowly land, indicating it has been 'defeated'.

IDEA 9

Model: ID-009

S/N: ID092025061301

Manufacturer:

Shantou Lewu Information Technology Co. Ltd.

Address:

4F, No.15, North of Xinxing 1st Road, Xinning Committee,
Fengxiang Street, Chenghai District, Shantou City,
Guangdong Province, China

Email: support@le-idea.cn

If the drone is not used for a long time (one month), please take out the body's battery and full charge it before store. Warnings: If meet any issues, please consult our support team.

WARNING:

CHOKING HAZARD-SMALL PARTS. Not for children under 3 years.

WARNUNG:

ERSTICKUNGSGEFAHR - KLEINE TEILE. Nicht für Kinder unter 3 Jahren geeignet.

AVERTISSEMENT:

RISQUE D'ÉTOUFFEMENT - PETITES PIÈCES. Ne convient pas aux enfants de moins de 3 ans.

ATTENZIONE:

RISCHIO DI SOFFOCAMENTO - PARTI PICCOLE. Non adatto a bambini di età inferiore a 3 anni.

WARNING:

RISK FÖR KVÄVNING-SMÅ DELAR. Ej för barn under 3 år.

OSTRZEŻENIE:

RYZYKO KWAŹNIENIA - MAŁE CZĘŚCI. Nie dla dzieci w wieku poniżej 3 lat.

WAARSCHUWING:

VERSTIKKINGSGEVAAR-KLEINE ONDERDELEN. Niet voor kinderen jonger dan 3 jaar.

警告:

窒息の危険があります。3歳未満のお子様には使用しないでください。

WARNING !

RC drone is not suitable for children under 12 years, keep it away from children.

Carefully read the instruction before operation.

EC REP

GA/MOSA CONSULTORIA, SOCIEDAD LIMITADA
Address: Paseo de la Castellana, 51, 4.1, 28046
Madrid, Spain
E-mail: compliance.gavmosa@outlook.com

UK REP

KOVA ASSOCIATES LTD
ADDRESS: 72a Kingston Road, Portsmouth, Hampshire,
PO2 7PA, United Kingdom
EMAIL: KOVA.Compliance@outlook.com

DRONE FCC ID: 2BOLYLEE38
Telecontrol FCC ID: 2BOLYLEE39

MADE IN CHINA



ADVERTENCIA:

PELIGRO DE ASFIXIA - PIEZAS PEQUEÑAS. No apto para niños menores de 3 años.



This device complies with Part CE-RED of the CE Rules.
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference.
(2) this device must accept any interference received, including interference that may cause undesired operation.

BOX

PAP 20

PAPER COLLECTION

Check your local municipal guidelines.
Empty the packaging of its contents
before recycling.

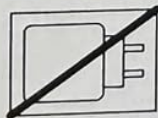


Image: Two drones engaged in competitive infrared target shooting, with children controlling them.

IDEA9 Drone

Advanced Infrared Targeting
Game provide more fun



Image: Promotional banner for the IDEA9 Drone's infrared targeting game.

Fun competitive mode

Infrared light is for illustrative purposes only.



When two drones are flying simultaneously, one drone uses a controller to perform infrared aiming on the tail of the other drone. After pressing the button, the hit drone will spin in the air, full of fun.

Image: Diagram explaining the competitive mode with infrared aiming.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone. Avoid water or harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for damage (bends, cracks). Replace damaged propellers immediately using the provided spare parts and wind blade wrench.
- **Battery Storage:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge batteries to about 50%.
- **Motor Care:** Keep motors free from dust and debris. Do not attempt to lubricate motors.

8. TROUBLESHOOTING

If you encounter issues with your LE-IDEA IDEA9 Mini Drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery (drone or remote); 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 take-off; wind interference.	Land the drone, place on a flat surface, and re-calibrate (refer to remote control instructions for calibration steps). Use trim buttons to adjust.
Drone cannot take off or flies weakly.	Low battery; damaged propellers; propellers installed incorrectly.	Charge drone battery. Replace damaged propellers. Ensure propellers are installed on correct motors.
One or more propellers do not spin.	Motor obstruction; motor damage; loose wiring.	Check for any obstructions around the motor. If problem persists, contact customer support.
Competitive mode not working.	Incorrect aiming; infrared sensor blocked; too far apart.	Ensure direct line of sight to the opponent drone's tail. Check for obstructions. Reduce distance between drones.

9. SPECIFICATIONS

Feature	Detail
Brand	LE-IDEA
Model Name	IDEA9
Special Features	Fun Competitive Mode, DIY Assembly, Fully Protected Propellers, 360° Flips, Headless Mode, One-Key Take-off/Landing, 3 Speed Modes
Age Range (Description)	Kid
Color	Green
Connectivity Technology	Radio Frequency
Included Components	Drone, Remote Control, 2 Batteries, Propeller Guards, Spare Propellers, USB Charging Cable, Screwdriver, Wind Blade Wrench, User Manual
Control Type	Remote Control
Material	Plastic

Feature	Detail
Battery Cell Composition	Lithium Polymer
Optical Sensor Technology	Infrared
Product Dimensions	14.5"L x 14.5"W x 3.6"H
Item Weight	12.7 ounces

10. WARRANTY AND SUPPORT

LE-IDEA is committed to providing quality products and customer satisfaction.

- **Customer Support:** If you have any questions, concerns, or require assistance with your LE-IDEA IDEA9 Mini Drone, please contact our customer service team. Refer to the product packaging or the official LE-IDEA website for contact information.
- **Warranty:** Specific warranty details may vary. Please retain your proof of purchase for any warranty claims. The warranty typically covers manufacturing defects but may not cover damage caused by improper use, accidents, or unauthorized modifications.

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