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› LE-IDEA IDEA12GPS1 4K GPS Drone User Manual

## le-idea IDEA12GPS1

# LE-IDEA IDEA12GPS1 4K GPS Drone User Manual

Model: IDEA12GPS1 | Brand: LE-IDEA

## 1. INTRODUCTION

Thank you for choosing the LE-IDEA IDEA12GPS1 4K GPS Drone. This professional-grade quadcopter is designed for both beginners and experienced pilots, featuring a 4K HD camera, 5G WiFi transmission, intelligent GPS return functions, and three-speed modes. Equipped with brushless motors, it offers stable flight and robust power. Please read this manual thoroughly before operating your drone to ensure safe and optimal performance.

## 2. PRODUCT OVERVIEW

The LE-IDEA IDEA12GPS1 drone combines advanced technology with user-friendly features for an exceptional aerial experience. Key components and features are detailed below.

### 2.1 Package Contents

- 1x Drone
- 1x Remote Control
- 1x Modular Battery
- 4x Propellers
- 4x Propeller Protectors
- 1x Screwdriver
- 1x Type-C Charging Cable
- 1x Instruction Manual
- 1x Carrying Bag

## Contenu du Colis

- 1x Drone
- 1x Télécommande
- 1x Batterie Modulaire
- 4x Hélices
- 4x Protections d'hélices
- 1x Tournevis
- 1x Câble de Recharge Type-C
- 1x Manuel d'instructions
- 1x Sacoche de Transport



Figure 2.1: Package Contents

## 2.2 Drone Features

- **4K HD Camera:** Captures high-definition photos and videos with a 90° motorized adjustable angle for flexible shooting.
- **GPS Positioning:** Dual positioning system (optical flow indoors, GPS outdoors) ensures precise altitude hold and stable flight.
- **Brushless Motors:** High-performance motors provide stable operation, robust power, and minimized noise, with three-level wind resistance.
- **Modular Battery:** Easy-to-swap battery design for extended flight time.



Figure 2.2: LE-IDEA IDEA12GPS1 Drone with 4K Camera

## Batterie Modulaire

Grâce à sa conception modulaire intuitive, la batterie peut être remplacée sans effort, ce qui vous permet de la changer en quelques secondes et de prolonger l'autonomie de vol de votre drone.



Figure 2.3: Modular Battery System

## 3. SETUP

Follow these steps to prepare your LE-IDEA IDEA12GPS1 drone for its first flight.

### 3.1 Battery Charging and Installation

1. **Charge the Drone Battery:** Connect the modular battery to the Type-C charging cable and plug it into a suitable USB power adapter (not included). The indicator light on the battery will show charging status. Ensure the battery is fully charged before each flight.
2. **Install the Drone Battery:** Slide the fully charged modular battery into the battery compartment on the drone until it clicks securely into place.
3. **Charge the Remote Control:** If your remote control uses a rechargeable battery, charge it using its dedicated cable. If it uses disposable batteries, insert the required batteries (usually AA, not included) into the remote control's battery compartment.

### 3.2 Propeller Installation

1. Identify the 'A' and 'B' marked propellers and match them to the corresponding motor arms on the drone.
2. Attach each propeller firmly to its motor shaft. Use the provided screwdriver to secure them if necessary.
3. For added protection, install the propeller guards by clipping them onto the drone's motor arms.

# 3 Speed Modes



Figure 3.1: Drone with Propeller Guards

## 3.3 App Download and Connection

1. Download the official LE-IDEA drone application from your smartphone's app store (iOS or Android).
2. Power on the drone and the remote control.
3. On your smartphone, connect to the drone's 5G WiFi network (usually named 'LE-IDEA-XXXX').
4. Open the app to establish a connection with the drone. Ensure a stable connection before flight.

## 4. OPERATING INSTRUCTIONS

Familiarize yourself with the basic flight controls and modes of your IDEA12GPS1 drone.

### 4.1 Basic Flight Operations

1. **Power On:** Press and hold the power button on the drone and then on the remote control until they power on.
2. **Pairing:** The drone and remote control should automatically pair. If not, follow the pairing instructions in the app or manual.

3. **One-Touch Takeoff/Landing:** Press the dedicated one-touch takeoff/landing button on the remote control or in the app. The drone will automatically ascend to a safe height or descend and land.



### Décollage/Atterrissage à une Seule Touche

Effectue automatiquement le décollage ou l'atterrissage d'une simple pression sur un bouton, simplifiant ainsi le début et la fin des opérations de vol.

Figure 4.1: One-Touch Takeoff/Landing

## 4.2 Speed Modes

The drone offers three-speed modes to accommodate different skill levels and flight conditions.

- **Low Speed:** Ideal for beginners and indoor flight, offering maximum stability and control.
- **Medium Speed:** Suitable for intermediate pilots and outdoor flight with light wind.
- **High Speed:** For experienced pilots, providing dynamic flight and faster movement.

Switch between speed modes using the dedicated button on the remote control.



### Mode 3 Vitesses

Ajustez la vitesse de vol de manière flexible pour vous adapter à différents scénarios, du vol de croisière stable au vol dynamique.

Figure 4.2: Three Speed Modes

## 4.3 Headless Mode

In Headless Mode, the drone's orientation is aligned with the pilot's perspective, simplifying flight control by eliminating directional confusion. This is particularly useful for beginners.



## Mode Sans Tête

En alignant la direction des commandes avec l'orientation du pilote, ce mode simplifie considérablement les opérations de vol, rendant le pilotage beaucoup plus facile.

Figure 4.3: Headless Mode Operation

## 5. INTELLIGENT FLIGHT FUNCTIONS

The IDEA12GPS1 drone is equipped with several intelligent flight modes to enhance your flying and photography experience.

### 5.1 GPS Auto Return Home

The drone features an intelligent GPS Auto Return Home function, ensuring its safe return to the takeoff point under various conditions:

- **Low Battery Return:** Automatically returns when the battery level is critically low.
- **Signal Loss Return:** Returns to the takeoff point if the connection with the remote control is lost.
- **One-Key Return:** Initiates an automatic return with a single press of a button on the remote control or app.

### Retour Automatique GPS

Retour automatique au point de décollage à l'aide du GPS en cas de perte du signal ou de batterie faible.



Figure 5.1: GPS Auto Return Home

### 5.2 Follow Me Mode

In Follow Me mode, the drone will automatically track and follow your movements, keeping you in the center of the frame. This is ideal for capturing dynamic action shots without manual control.



Figure 5.2: Follow Me Mode

### 5.3 Waypoint Flight

Plan your flight path by tapping desired waypoints on the app's map. The drone will then autonomously fly along the specified route, allowing you to focus on capturing footage.

### 5.4 Orbit Flight

Select a point of interest on the map, and the drone will circle around it at a specified radius and altitude, providing cinematic 360-degree views.

### 5.5 4K HD Camera Operation

The integrated 4K HD camera captures crisp images and videos. Use the remote control or app to adjust the camera's 90° motorized angle during flight to achieve various perspectives.

**Caméra HD 4K**  
Capturez vos Moments Précieux






Figure 5.3: 4K HD Camera Capabilities

### 5.6 Official Product Video

Watch this video for a visual guide on the drone's features and intelligent flight functions, including one-touch takeoff, 4K camera, Follow Me, Orbit Flight, Waypoint Flight, and GPS Auto Return.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your drone.

### 6.1 Battery Care

- Always use the original charging cable.
- Do not overcharge or over-discharge the battery.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the battery to about 50-60% capacity.

### 6.2 Propeller Inspection and Replacement

- Regularly inspect propellers for cracks, bends, or damage.
- Replace damaged propellers immediately using the provided spare parts and screwdriver. Ensure correct 'A' and 'B' propeller placement.

### 6.3 Cleaning

- Use a soft, dry cloth to clean the drone body and camera lens.
- Avoid using harsh chemicals or solvents.
- Ensure no dust or debris obstructs the motors or sensors.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your drone.

### 7.1 Drone Does Not Power On

- Ensure the battery is fully charged and correctly installed.
- Check the power button for proper engagement.

### 7.2 Unable to Connect to App/WiFi

- Verify that the drone is powered on and its WiFi signal is active.
- Ensure your smartphone's WiFi is enabled and connected to the drone's network.
- Restart both the drone and your smartphone, then try connecting again.
- Ensure you are within the 5G WiFi range of the drone.

### 7.3 Unstable Flight or Drifting

- Perform a compass calibration before flight, especially in a new location.
- Check propellers for damage or incorrect installation.
- Ensure you are flying in an open area away from strong magnetic interference.
- Verify that GPS signal is strong for outdoor flights.

### 7.4 Poor Camera Quality or No Image

- Clean the camera lens.
- Ensure a stable 5G WiFi connection between the drone and your smartphone.
- Check app settings for video resolution and quality.

## 8. SPECIFICATIONS

Detailed technical specifications for the LE-IDEA IDEA12GPS1 drone.

| Feature                           | Specification                                                   |
|-----------------------------------|-----------------------------------------------------------------|
| Brand                             | le-idea                                                         |
| Model Name                        | IDEA12GPS1                                                      |
| Special Features                  | 4K Camera, GPS Return to Home, Auto Follow, Waypoint Navigation |
| Age Range (Description)           | Adult                                                           |
| Color                             | Orange                                                          |
| Video Recording Resolution        | 4K                                                              |
| Effective Still Resolution        | 8.3 Megapixels                                                  |
| Connectivity Technology           | 5G                                                              |
| Included Components               | Battery                                                         |
| Item Weight                       | 157 Grams                                                       |
| Battery Capacity                  | 1800 mAh                                                        |
| Video Capture Format              | MP4                                                             |
| Control Type                      | Remote Control                                                  |
| Wireless Communication Technology | Wi-Fi                                                           |
| Battery Composition               | Lithium Polymer                                                 |
| Batteries Included                | Yes                                                             |
| Remote Control Included           | No (refers to separate purchase, but one is in the box)         |
| Optical Sensor Technology         | CMOS                                                            |
| Rechargeable Batteries Provided   | Yes                                                             |
| Item Dimensions L x W x H         | 18L x 16W x 6H centimeters                                      |
| Manufacturer                      | LE-IDEA                                                         |
| Part Number                       | LDKJ2026031001                                                  |
| Country of Origin                 | China                                                           |
| Material                          | Plastic                                                         |

## 9. WARRANTY AND SUPPORT

LE-IDEA is committed to providing high-quality products and excellent customer service.

### 9.1 Warranty Information

This product comes with a standard manufacturer's warranty covering defects in materials and workmanship. Please refer to the warranty card included in your package or contact customer support for specific terms and conditions.

## 9.2 Customer Support

Should you have any questions, require technical assistance, or need after-sales support, our dedicated customer support team is ready to help. You can reach us through the contact information provided on our official website or via the LE-IDEA app. We aim to provide prompt and helpful responses to ensure your complete satisfaction.

### 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