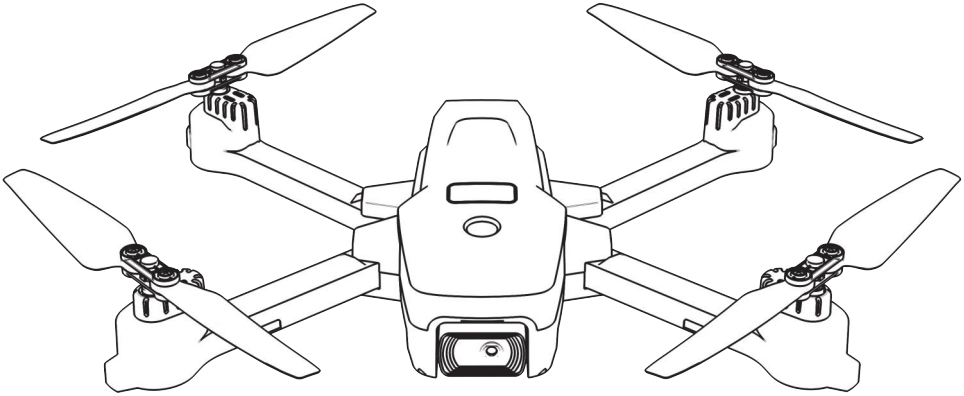
le-idea

IDEA16/IDEA36

EN

Instruction Manual



Please read the instructions carefully before using the product.

14+Ages

DISCLAIMER

Preface

Thank you for purchasing the LE-IDEA series drone.Please read this manual carefully before operating it, and please keep this manual properly for future adjustment and maintenance.

Any questions we would like to hear from you! Please include your order number when you contact us at email (Customer service email address: support@le-idea.cn, 24 Hr/7 Day).

Important Statement

1. This product is not a toy, it integrates expertise in mechanics, electronics, aerodynamics, high-frequency launching, etc.
2. This drone integrates precise equipment, which requires proper assembly and commissioning to avoid accidents. The drone holder must operate the drone in a safe way, improper handling will cause serious personal injury or property damage. It may also be lost due to incorrect operation.
3. This product is suitable for people who have experience in operating drones and are over 14 years old.
4. If there is a problem during use, operation or maintenance, please contact your local sales agent or retailer, or keep in touch with the person in charge of our company.
5. Please use only original parts and accessories.
6. Please keep the packaging and this user manual for future reference.

SAFETY PRECAUTIONS

The drone is a high-risk good, it must be away from the crowd when flying. Artificial assembly or damage, electronic control, or improper operation which not allowed, all of them are likely to cause damage to the aircraft, personal injury, or other unpredictable accidents. Pilots must be careful and need to understand the responsibility for accidents due to their own negligence.

(1)Away from obstacles and crowds
The flying drone has an uncertain flight speed and state, there is a potential risk. Fly away from the crowds, high-rise buildings, high-voltage wires, etc., meanwhile, avoiding flying in windy, rainy, thunderstorms, and other bad weather to ensure the safety of pilots, the surrounding population, and the property.

(2)Away from the damp environment
The interior of the drone is made up of many sophisticated electronic components and mechanical parts,so it is necessary to prevent the aircrat from being damp or water infiltration to avoid accidents of mechanical and electronic parts.

(3)Safe operation
Please operate the drone according to your own status and fight sill. Fatigue, poor spirit, or improper operation will increase the risk of an accident.

(4)Keep away from high-speed rotating parts
When the propellers are in high-speed spinning, please keep the drone away from the pilot, the surrounding, crowd, and objects to avoid danger and damage.

(5) Keep away from heat
The drone is composed of metal, fiber, plastic, electronic components, and other materials, so you should keep it away from heat sources and avoid sun exposure and high temperature to avoid the deformation of the drone.

Flight Environment

● Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airports, or bodies of water.

● DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.

● DO NOT use the drone in adverse weather conditions such as rain, snow, fog, and strong wind.

BATTERY CARE

The battery is made of the lithium-polymer battery

Lithium batteries are different from the general battery, which consists of a thin layer of thin paper wrapped with its chemical endoplasm. Which reduces its weight, but makes it more vulnerable in the face of rough or inappropriate operations. The inappropriate operation of this battery will cause an explosion.

Store Properly

1. If the device is not going to be used for an extended period of time, remove batteries to prevent potential dama: battery leakage.
2. Please do not leave batteries exposed to direct sunlight.
3. Do not immerse the batteries in water or allow them to get wet.
4. Please keep the battery out of reach of children or pets.

Use carefully

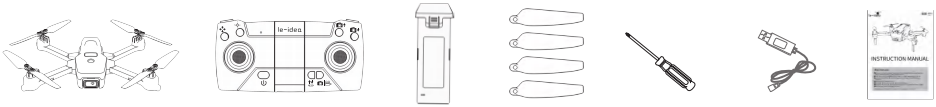
- When charging the rechargeable battery, do not use it for children alone, it must be carried out under the supervision of an adult, and it must be kept away from flammable materials when charging.
- Please do not short circuit or squeeze the battery to avoid explosion.
- The power terminals should not be taken out of the model, and the terminals should not be short-circuited; do not short-circuit, disassemble, or throw the battery into fire; do not place the battery in a high-temperature, heated place (such as in a fire or near an electric heating device).
- The model can only use the recommended charger. Please regularly check whether the wires, plugs, shells and other parts of the charger are damaged. If any damage is found, stop using it until the repair is complete.
- The charger is not a toy; the charger should only be used indoors.
- The battery after flight needs to be charged and then stored. If it is not used for a long time, it is recommended to charge the battery at least once every 3 months to avoid over-discharge of the battery which would cause permanent damage to the battery.

BATTERY CHARGING METHOD:

1. First, connect your USB cable to the drone battery, then connect it to your favorite charging source.
2. The red light is on when the battery is charging, and the green light is always on when the battery is fully charged. Battery charging time is approximately 120 minutes.

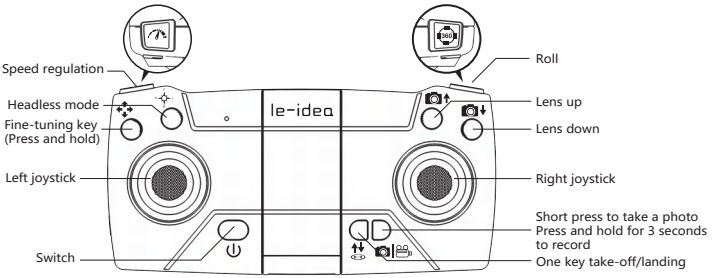
- Remove and put the battery in the correct way
- Non-rechargeable batteries cannot be charged
- The rechargeable battery can only be charged under the supervision of an adult
- Different types of batteries or old/new batteries cannot be mixed
- Only batteries of the same model or equivalent to the recommended model can be used
- The rechargeable battery should be removed from the drone before charging
- Batteries are inserted with correct polarity
- Depleted batteries should be removed from the drone
- The power terminals must not be short-circuited.

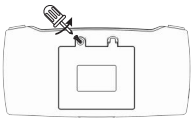
PACKAGE LIST



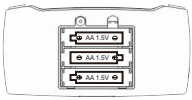
DRONE | Remote Control | Battery×2 | Propeller×4 | Screwdriver | USB | User Manual

TRANSMITTER OVERVIEW





Open the battery cover and insert 3 AAA batteries as shown below (not included).

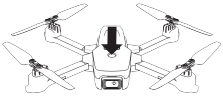


CAUTION:

- The transmitter needs 3 AAA batteries to work
- Insert batteries in correct polarity (+) and (-)
- Don't mix old and new batteries
- Don't mix alkaline, standard (carbon-zinc) and rechargeable (nickel-cadmium) batteries
- Remove rechargeable batteries before charging
- Only charge batteries under adult supervision
- Remove spent batteries from the transmitter

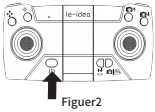
QUICK-START GUIDE

● Insert the drone battery. Turn on the drone switch (Figure 1) and place it on a flat surface; the drone light will flash.



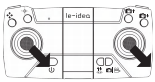
Figuer1

● Turn on the remote control switch (Figure 2), it will prompt a "Di", the red light of the remote control will be on, and the indicator of the aircraft will be on, then the frequency matching is completed.



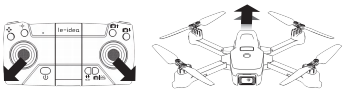
Figuer2

● Push the throttle and joystick to the lower right corner at the same time, the buzzer will emit a "Di" sound, and the aircraft's lights will flash and then stay on, indicating that the leveling correction is completed. (Figure 3)



Figuer3

● Push the throttle and joystick outward at the same time (Figure 4) to take off the drone.

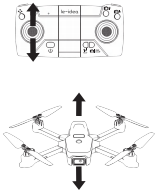


Figuer4

FLIGHT CONTROLS

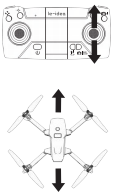
HOVER UP AND DOWN

Push the THROTTLE STICK up to fly the drone up, and pull the THROTTLE STICK down to fly the drone down.



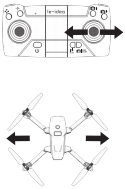
FLY FORWARD OR BACKWARD

Push the DIRECTION CONTROL STICK up to fly the drone forward, and pull the DIRECTION CONTROL STICK down to fly the drone backward.



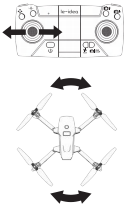
FLY LEFT OR RIGHT

Move the DIRECTION CONTROL STICK to the left to fly the drone to the left, and move the DIRECTION CONTROL STICK to the right to fly the drone to the right.



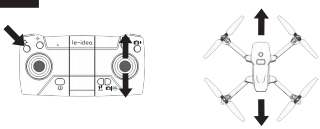
ROTATE LEFT OR RIGHT

Move the THROTTLE STICK to the left to rotate the drone to the left, and move the THROTTLE STICK to the right to rotate the drone to the right.

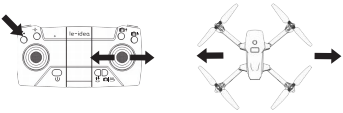


TRIM ADJUSTMENTS

When taking off, the fuselage is offset to the rear, press and hold the fine-tuning button, push the right joystick forward until the aircraft is stable, and release the fine-tuning button to exit the fine-tuning function. When taking off, the fuselage is shifted forward, press and hold the fine-tuning button, push the right joystick backward until the aircraft is stable, and release the fine-tuning button to exit the fine-tuning function.



When taking off, the fuselage is offset to the right. Press and hold the fine-tuning button, push the right joystick to the left until the aircraft is stable, and release the fine-tuning button to exit the fine-tuning function. When taking off, the fuselage is shifted to the left, press and hold the fine-tuning button, push the right joystick to the right until the aircraft is stable, and release the fine-tuning button to exit the fine-tuning function.

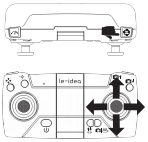


FUNCTIONS

● 360°Flip

Long Press the 360°Flip button to flip the drone. The remote control will Di twice, indicating the drone is in Flip Mode.
Next, move the direction stick up or down, and the drone will flip up or down (Figuer. 5)
Move the direction stick to the right or left, and the drone will flip left or right (Figuer. 6)

Note:
- Only execute rolls when you have plenty of airspaces. The drone can only perform flips when it is at least 7 feet in the air.
- This function can not be used when the drone is in a low power state.

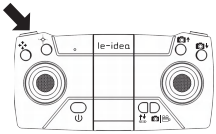


Figuer5

Figuer6

● Speed modes

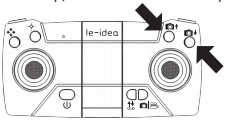
The fast and slow gears are divided into three gears forward, backward, and left and right. After the remote control is powered on, the default is the slow gear. Press the remote controller key (as shown in Figure 7) to make two sounds of “Di” and “Di”, it is the middle gear. "Di", "Di" and "Di" press three times for fast gear, and one "Di" to return to slow gear. (It is recommended for beginners to use slow gear operation)



Figuer7

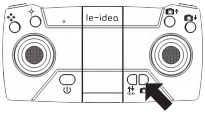
●Remote control to control camera recording

During the flight, the camera can adjust the up and down direction, press the rotation button on the remote control camera, and the camera lens rotates up, and the down rotation operation is the same.



Notice:
This camera adjustment button needs to be pressed with a interval, if it is pressed continuously, it will affect the acceptance of the aircraft signal, the aircraft may get stuck, making it impossible to adjust the camera angle.

Short press the button, the mobile phone APP will make a clicking sound, and the camera will take a picture and store it in the mobile phone album. Press and hold for 3 seconds to start recording, press and hold again for 3 seconds to save the recording to the phone album, and stop recording.

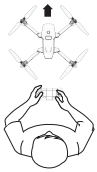


● Headless mode

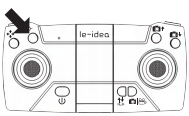
Headless Mode allows you to fly your drone without knowing its orientation because it will be fixed in the direction you set it.

Definition of the direction before takeoff: Make the forward direction of the aircraft in front of you (Figure 8)
(Note: the side with the camera is the front)

Press the Headless Mode button to enter Headless Mode before take-off (Figure 9). The remote control will Di continuously and the drone lights will begin to flash to indicate mode selection. Press the remote control again to make a "Di" sound to exit the headless mode.



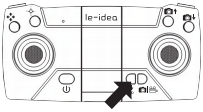
Figuer8



Figuer9

● One key take-off/land

After the drone is calibrated, when the one-key take-off/landing button is pressed, the drone will automatically start and rise to a certain height. When the drone is high in the air, the drone will automatically descend when the one-button take-off/landing button is pressed.



1、Download and installation instructions of APP software

1.1 Download and install the software

Download on the App Store

GET IT ON Google Play

1.2 Description of links

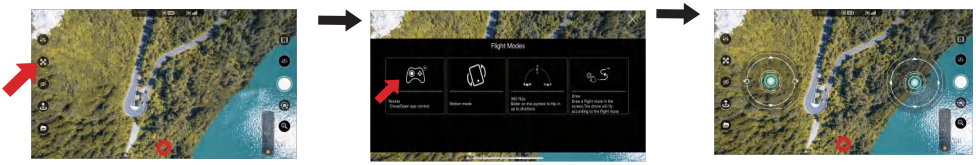
① Long press 3 seconds to turn on the power, enter (Mobile or IPAD) "Settings" option, open the wireless network, find the name of the device "WIFI-4K-*****" in the wireless network search list and connect it. After the connection is successful, exit the setting option.

② Open the “Fly Plus” software icon on your mobile phone and enter the control interface. (Try to stay away from other signal sources when flying)

⚠ Note: One drone, at the same time, only one mobile app is allowed to connect!

2、Function introductions of APP control interface

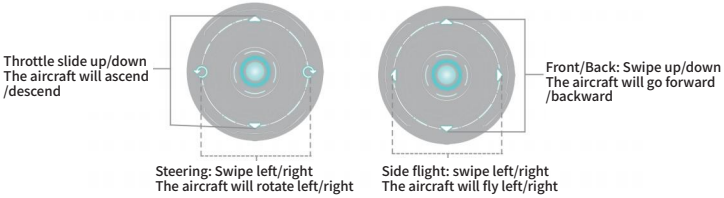
● Control mode



Notice:

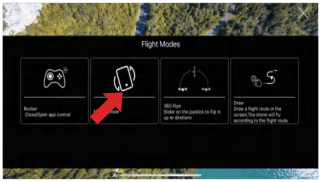
After connecting to the aircraft, turn on the control in the control mode

● Rocker



● Flight modes

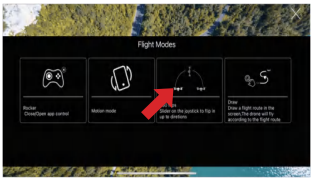
1. Gravity Sensing



Gravity Sensing Mode: When the aircraft is successfully connected to the mobile APP, turn on the gravity sensing mode and tilt the phone to control the aircraft to fly forward, backward, left, and right.

Notice:
- This feature can only be done if you have enough airspace.
- This function cannot be used when the drone is in a low battery state.

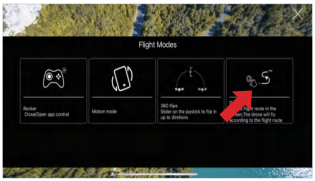
2. 360° Flip



360° Flip: After clicking the 360° flip mode, slide the right joystick to the maximum in any direction, and the flight will roll in the corresponding direction.

Notice:
- **Only execute rolls when you have plenty of airspaces. The drone can only perform flips when it is at least 7 feet in the air.**
- **This function can not be used when the drone is in a low power state.**

3. Track Mode



Trajectory Mode: Draw a line on the screen, and the aircraft will fly according to the drawn trajectory.

Notice:
- This feature can only be done if you have enough airspace.
- This function cannot be used when the drone is in a low battery state.

Problem	Reasons	Solution
The flight not responding	1. The drone enters low voltage protection 2. When the power of the remote control is low, the power indicator will flash	1. Charge the aircraft battery 2. Replacing the Remote Control Batteries
The flight response of the aircraft is not sensitive	1. The remote control is in low power 2.Remote control with the same frequency is emitting interference	1. Replacing the Remote Control Batteries 2.Change to a place that does not transmit interference on the same frequency
Fly sideways when hovering	Did not proceed the calibration successfully	Proceed the calibration again(Preparation for Flight)
The direction of forward-ing flight is detected in the headless state	Head deviation caused by multiple collisions	Redefine the front direc-tion(Headless mode)
Unstablefixeheight/ shaking up and down	1. Did not proceed the calibra-tionsuccessfully 2. Unstable air pressure in bad weather conditions 3. Severe collision causes gyroscope data disorder	1. Proceed the calibration again (Preparation for Flight) 2. Try to avoid flying in bad weather 3. Proceed the calibration again(Preparation for Flight)

After-sales information:

le-idea

Official:
http://www.le-idearc.com/contact-us_d3

Youtube:
https://youtube.com/channel/UCQW-JKq5uh-F7Rnz9fjIhCg

This content is subject to change If you have any questions about this document, please contact le-idea by sending a message to us.

Email: support@le-idea.cn (24hr/7d)

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FCC Warning

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

for Remote control:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

for Drone:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.