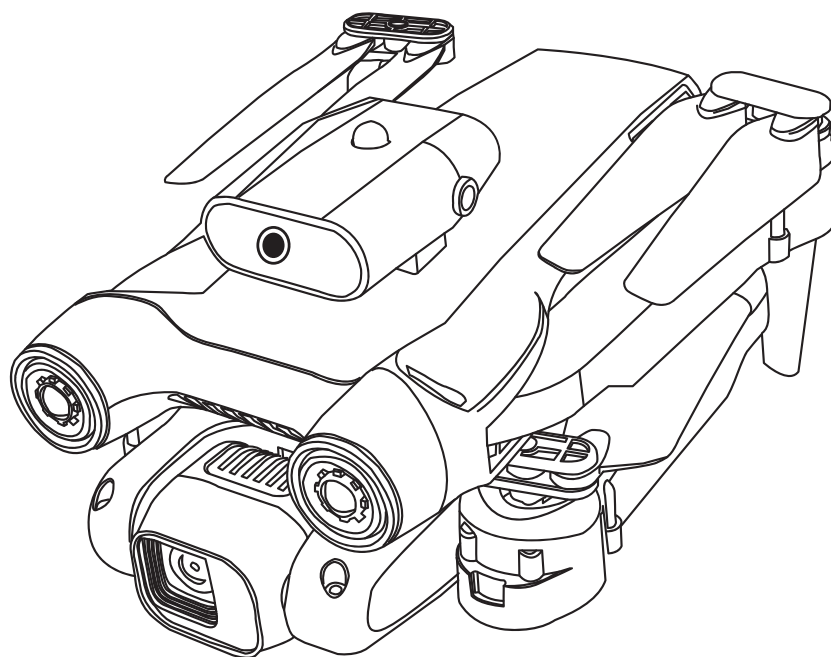


Instruction Manual



Manual catalog

User Manual in English	-----	1-15
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After sales team E-mail address: ximvnlei@gmail.com

Please read the instructions carefully before
using the product.



14+Ages+

DISCLAIMER

Preface

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

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 drone and 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

This drone may be dangerous during use, please ensure that it is far away from any people or spectators when flying.

Improper installation, poor use conditions, or unfamiliar operation of the user may cause damage to the aircraft or personal injury, and may also lead to accidents. Please pay special attention to flight safety and learn to identify more dangerous situations that may cause accidents due to your own negligence.

1. Stay away from obstacles and people.

During flight, this drone may change slightly in speed or sensitivity, and may cause potential hazards. Therefore, please stay away from crowds, buildings, trees, buildings, high-voltage lines and other objects. At the same time, please avoid using it under severe weather conditions such as heavy rains, thunderstorms, and strong winds to ensure the safety of users, viewers and surrounding properties.

2. Keep away from humid environment.

The interior of the drone is composed of many precision electronic and mechanical parts. Therefore, please try to avoid any moisture or water entering the fuselage, otherwise it may cause the mechanical and electronic parts to malfunction and cause an accident.

3. Only use the included parts for the intended purpose

Please use original parts for modification or maintenance to ensure flight safety. Please operate and use within the range allowed by the product function. Use of unapproved parts will invalidate the warranty. Do not use the drone for any illegal purpose or beyond the scope prescribed by local laws and regulations.

4. Avoid independent operation.

Beginner may have some difficulties in the early stages of learning to operate this drone. Please try to avoid operating the drone independently. If conditions permit, please operate under the guidance of more experienced users.

5. The owner of the drone should not operate under the influence of drugs or alcohol.

Please operate this drone according to your own status and flying skills. Any fatigue, poor mental state or incorrect operation may increase the risk of accidents.

6. When drone flying at the highest speed, please keep a safe distance.

When the drone is flying at the highest speed, please keep the drone away from the driver and any people or objects around it to avoid danger or damage.

7. Store in a cool and dry place.

The drone is composed of materials such as metal, fiber, plastic, and electronics. Therefore, please stay away from heat sources and avoid prolonged exposure to direct sunlight. Excessive heat exposure can cause deformation and damage.

Note: According to Part 15 of the FCC Rules, this device has been tested and meets the limits of Class B digital devices. These limits are designed to provide reasonable protection against harmful interference from residential equipment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, you can confirm by turning the device on and off. It is recommended that users try to correct the interference by one or more of the following measures.

- Relocate or adjust the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Please note that changes or modifications not expressly approved by the responsible party may invalidate the user's operating authority

Any questions we would like to hear from you! Please include your order number when you contact us at email (Customer service e-mail address: ximvnlei@gmail.com)

WARNING

1. This package and instruction manual contains important information, please keep it for future reference.
2. You are responsible for ensuring that this type of drone will not cause personal injury or property damage to others.
3. When debugging or assembling this drone, please strictly follow the instructions shown in the manual. During flight or landing, please pay special attention to the fact that the user must keep a distance of 1-2 meters from the drone to avoid possible injuries caused by the collision of the drone with the head or face or body.
4. The company and distributors are not responsible for physical loss, damage or injury caused by improper operation.
5. Children 14 years and older should use this product under the guidance of an adult. Children under 14 years of age are prohibited from using this product.
6. Please assemble and use this product correctly in accordance with the instructions or packaging instructions. Some parts must be assembled by adults.
7. This product contains small parts. Please keep it out of the reach of children to avoid the risk of suffocation caused by accidentally swallowing parts.
8. It is strictly forbidden to play near roads or areas with heavy traffic to avoid accidents.
9. Please dispose of packaging materials in time to avoid harm to children.
10. Do not disassemble or reassemble the aircraft, otherwise it may cause malfunctions during flight.
11. The battery in the charger battery box should be plugged into the designated power source with the same product identification.
12. The battery and charging cable are not toys.
13. When charging, please do it under the supervision of an adult. Please stay away from any combustibles when charging. Please keep the battery within your sight while charging.
14. Please do not short-circuit the battery or squeeze the battery to avoid explosion.
15. Do not mix lithium-ion batteries with other types of batteries.
16. Do not short-circuit the battery or disassemble the battery or throw the battery into the fire; do not place the battery in a high temperature or heated area (such as near a fire or near an electric heating device).
17. The drone should be as far away as possible from other electrical or electronic equipment, or away from nearby places with magnetic objects to prevent them from interfering with each other.
18. Please keep a safe distance from the high-speed rotating motor to avoid the injury of twisting, or cuts.
19. The engine will heat up. Do not touch it to avoid burns or injuries.
20. Please do not bring this product close to your ears, it may damage your hearing.
21. In order to comply with the command of the magnetic environment requirements formulated by the Aviation Radio Administration and related departments, please stop using drones when there are control orders during the control period in certain areas.
22. Keep your drone within sight.
23. Never fly the drone above the head of a crowd.
24. Never fly the drone in stadiums or during sporting events.
25. Understand airspace restrictions and requirements.

Warning: The aircraft battery must be charged under the supervision of an adult. Please unplug the power supply in time after fully charged. Do not overcharge the battery.

Flight Environment



+



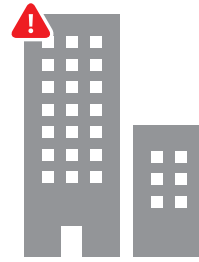
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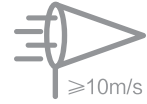
Fly in Open Areas

Maintain Line of Sight

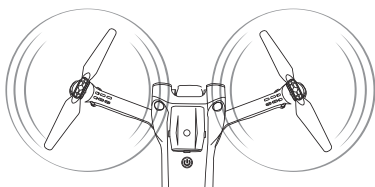
Fly Below 120m



- Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.
- DO NOT fly near strong electromagnetic sources such as power lines and basestations as it may affect the on board compass.



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



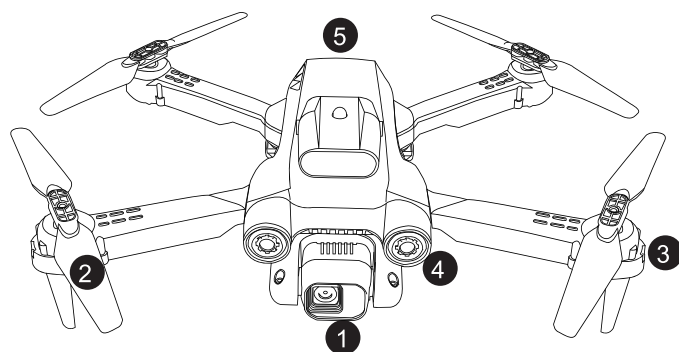
No Fly Zone

Stay away from spinning propellers and motors



Safe flight is very important. Please read the safety guidelines carefully before flying.

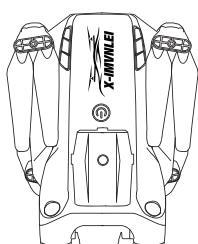
Aircraft Components



- 1. HD camera
- 2. Propeller
- 3. Motor
- 4. LED light
- 5. Smart lithium battery

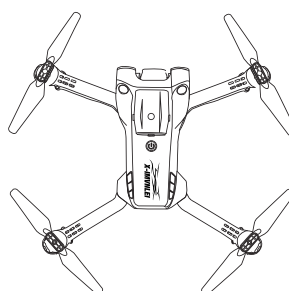
1. Folding and unfolding the aircraft

Before taking off, please make sure the motor arms are fully expanded.



Folding

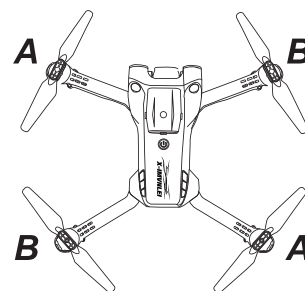
Motor arm unfolding



2. Propeller installation and removal

Please make sure all propellers are installed in the correct orientation according to the diagram. If installed incorrectly, the aircraft will not be able to fly normally.

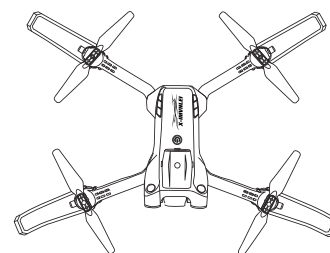
Warning: If propeller A is replaced, you need to replace the corresponding propeller A; if propeller B is replaced, you need to replace the corresponding propeller B.



3. Propeller protection frame installation

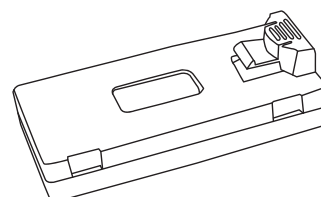
When installing the propeller protection frame, you need to pull out the blocking parts first, and then insert the protection frame.

Suggestion: Newbie please install the propeller protection frame, and you can remove it after you are familiar with the drone.



4. Lithium battery of the aircraft

When in a low power state the aircraft will emit a "beep" sound, the aircraft body lights will start to flash. At that time, please immediately fly back the aircraft, and charge the battery to avoid unnecessary losses.



Lithium battery charging instruction

1. Balanced charging: insert the USB charging cable into the USB port of the computer, and connect the other end of the USB charging cable plug to the charging port of the lithium battery. When charging, the battery power indicator always lits red light, when the battery is full, the indicator will turn off, charging is complete.
2. You can use mobile power or car power for charging.
3. The charging time of the aircraft battery is about 2 hours.

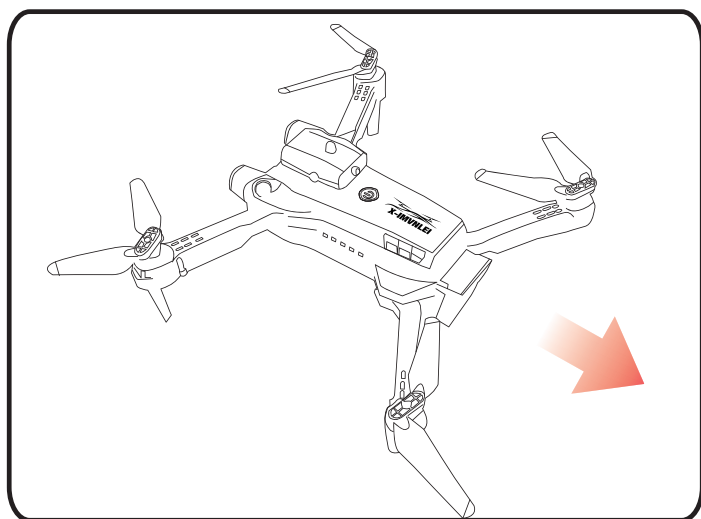
Warning:

1. Lithium batteries are rechargeable and recycled, with limited capacity location, batteries do not support modification.
2. Please charge under supervision. It is forbidden to charge in bed and on the sofa. Please unplug the power in timewhen the battery is fully charged.

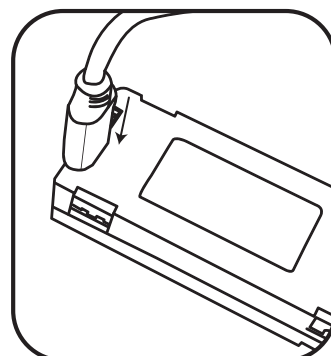
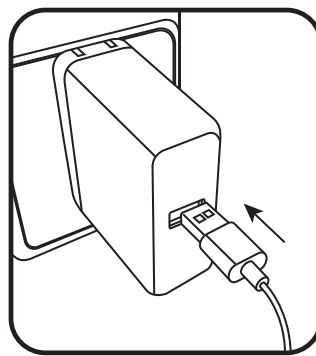
Precautions when charging:

- Do not place the charged battery in a hot and heated place, such as an open flame or electric heating device, as damage or explosion may occur.
- Do not use the battery to hit or knock on hard surfaces.
- Do not disassemble the battery.
- Do not immerse the battery in water. Store the battery in a dry place.
- People should not leave while charging.

Charging the battery of the aircraft



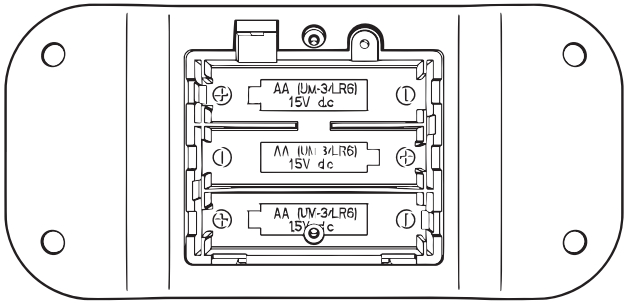
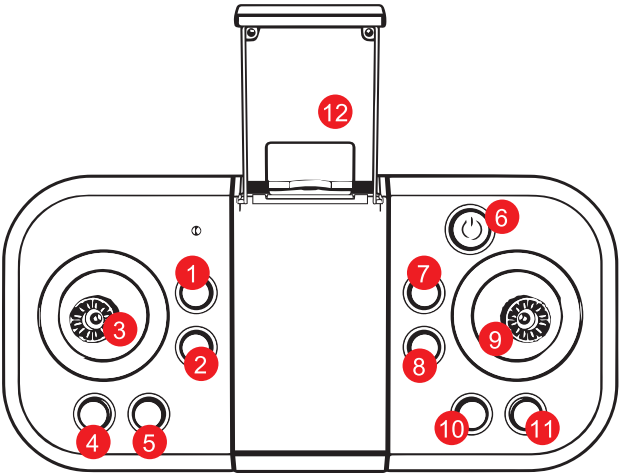
First, press down the two snaps of the battery, and then remove the battery.



Cell phone adapter: 5V · 3A
(not included)

Charging time: about 2 hours
(Charging time depends on
charging power supply)

Remote Control Functions



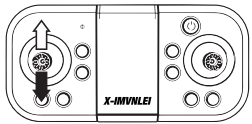
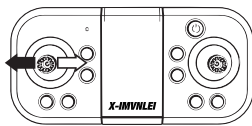
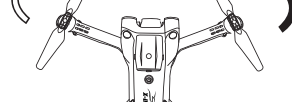
1. Speed switch
2. Flip
3. Throttle joystick
4. Short press headless mode
Long press fly backward
5. One-key takeoff/landing
Long press emergency stop
6. Switch
7. Camera upward
8. Camera down adjustment
9. Press the direction joystick vertically to fine-tune the direction.
10. Obstacle avoidance mode
11. One key calibration
- 12.Mobile phone holder

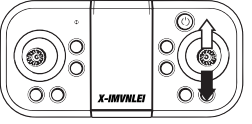
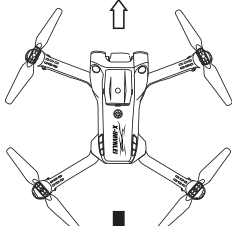
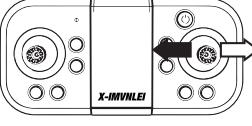
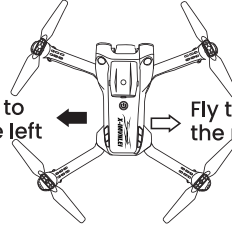
Remote Control Battery

Use a screwdriver to unscrew the screws, then open the battery cover and install the batteries, the remote control uses 3 sections of 1.5VAAA batteries, please pay attention to install the correct poles of the batteries.

Warning: The batteries use 3 sections of AAA batteries, please take out the battery if unuse in a long time. If the battery power is running out, please buy ordinary 1.5V AAA battery to replace it.

Basic Flight

Remote Control	Aircraft
	Ascend ↑  Descent ↓
	Turn left  Turn right

Remote Control	Aircraft
	Forward ↑  Backward ↓
	Fly to the left  Fly to the right

Flight Preparation

Please be sure to read the manual in detail before you start to operate the drone.

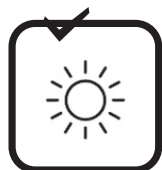
Pre-flight check

1. Whether the batteries of the aircraft and remote control are fully charged.
2. Whether the battery is installed in place.
3. Whether the motor arms are fully expanded.
4. For novice flight, please install the protection frame, which can protect the propeller to reduce friction.
5. Whether the propellers are installed correctly, and no damage phenomenon.
6. Gently toggle the propellers by hand to see if it can be easily expanded.

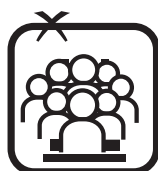
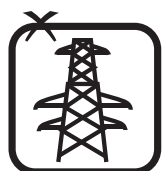
Flight Environment Check



Indoors Flight:
Please choose to fly in an open space with no obstacles, people or pets nearby.



Outdoors Flight:
Please choose to fly in clear or wind-free weather.

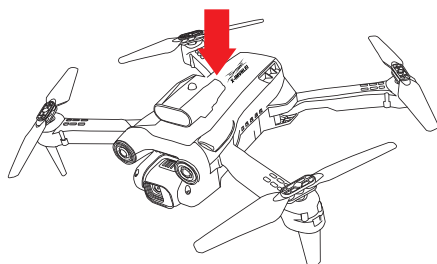


Please keep the drone in sight and away from obstacles, high voltage lines, trees, and crowds.

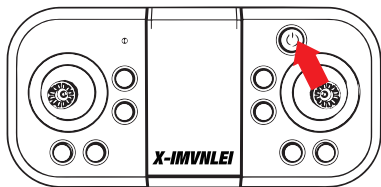


Don't fly in extreme conditions, such as excessive cold, heat, strong winds, and heavy rain.

Take-off Procedure

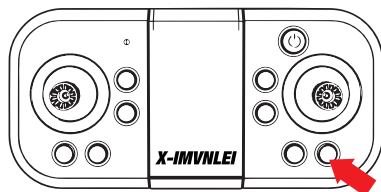


Step 1: Turn on the drone
Switch on the drone and place it on a horizontal surface, at which point the drone lights flash.

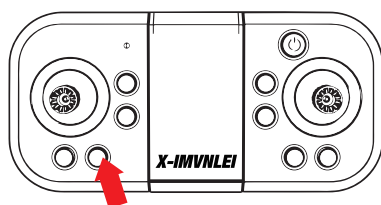


Step 2: Turn on the remote control

Press the power button of the remote control, when you hear a "di" sound from the remote control, the front and rear lights of the drone are always on, indicating that the frequency is successful.



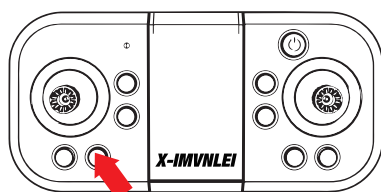
Step 3: Press the gyroscope calibration button, the drone will emit a "di" sound and the drone light will flash quickly and then stay on, the calibration is completed.



Step 4: One Key Take-Off

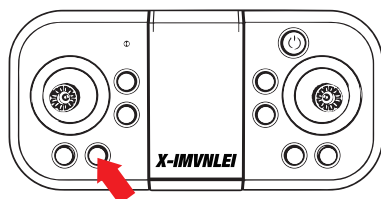
Press the one-key take-off button, the drone will automatically fly to a height of 1.2m and then hover, at this time you can push the throttle lever to achieve the ascent of the drone.

One Key take-off/landing



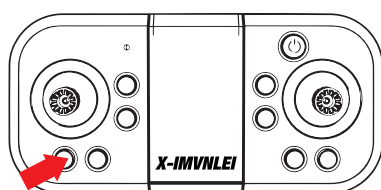
Press the one-key take-off button and the drone will automatically unlock the propellers and take off to a height of 1.2m and then hover, at which point we can control the aircraft via the throttle stick. Press the button again and the drone will descend vertically in its current position until it lands on level ground.

Emergency stop



In case of an accidental fall or dangerous situation during flight, you could press and hold the one-key take-off button until one "beep" sound occurs. The emergency stop function will be activated and the drone will stop working immediately. (**Warning: This operation will cause the aircraft to stop working and fall, please use caution.**)

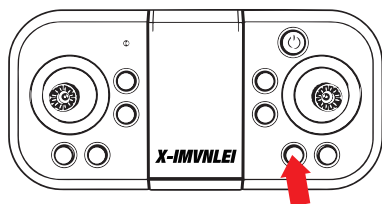
One-key fly backward



Press and hold the button to activate one-key fly backward and the drone will fly backward in a straight line. When returning, the user can control the drone with the directional joystick to avoid obstacles.

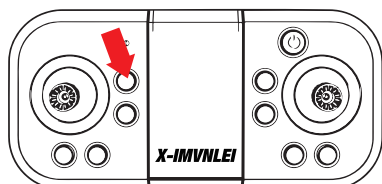
Note: When using the "one-key fly backward" function, please do it in an open space outdoors. Because when this function is performed, the drone will keep flying backward quickly according to the direction of the remote control. Please be sure to manually use the joystick or long-press the "one-key fly backward" button again to cancel fly backward after the drone is directly above the remote control or within sight.

Obstacle Avoidance Mode



After pressing the obstacle avoidance mode button, if the direction stick is moved to any direction, the drone obstacle avoidance head will automatically sense whether there is an obstacle in that direction. If so, the drone will not fly in this direction. Press the "Obstacle Avoidance Mode" button again to exit this function.

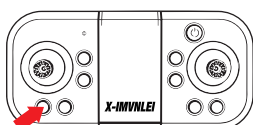
Speed Switching



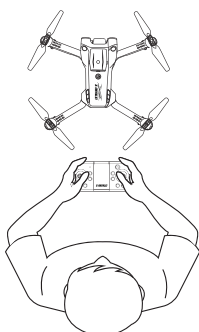
This drone has 3 speeds, the default is a low speed, press the accelerator lever vertically to make a "didi" sound for medium speed, and press again to make a "dididi" sound for high speed. It is recommended that beginners familiarize themselves with the various operations of the aircraft before switching to high-speed gear, the drone will be more wind resistant in high-speed gear.

Headless Mode

! As the operator's operating direction is very important for the operation of the "headless mode", please do not change the operator's operating direction after entering the "headless mode", as this may cause misdirection and lead to unnecessary losses and damage.



Short press headless mode



Direction of the operator during drone frequency alignment

Turn the nose of the drone towards the front, press the headless mode button after taking off, and the remote control will emit a short "beep" sound. Then the drone light will flash slowly, the drone enters the headless mode, if you press the button again the drone will exit the headless mode.

Normal mode: the front camera direction of the drone, that is the front.

Headless mode: the drone ignores the direction, the flight direction will follow the remote control direction joystick no matter which direction the nose of the drone heads.

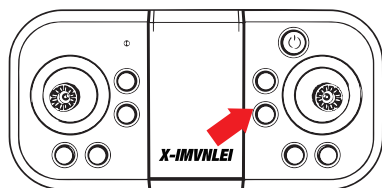


Don't change the direction of operation



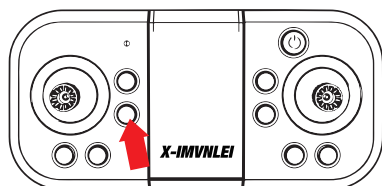
Don't change the direction of operation

Camera angle adjustment



Through the camera adjustment button, you can remotely adjust the up or down angle of the aircraft camera.

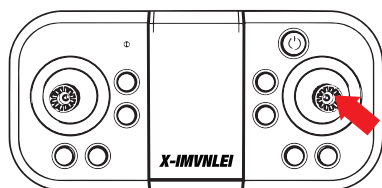
One-key 3D Flip



Press the one-key flip button and then push the directional lever to flip in different directions.

Warning: 3D flip consumes a lot of power and should be used sparingly; novice users are advised to use this function in open spaces.

Fine-tuning the drone balance



During the flight, if the drone is off to one side and not hovering steadily, we can make it fly relatively steadily by making fine adjustments. For example, if the drone is offset to the left when we are not operating the directional stick, press the directional stick vertically and the remote control emits a "di" sound. Then you could move directional stick to the right until the drone is stable and hovering. If you press directional stick again to exit the fine-tuning function. In other directions, if the drone is offset, you could fine-tune the drone by operating in the same way.

Notice

The drone has one-button takeoff/one-button landing/emergency stop functions. Novices should be familiar with the basic direction identification first. If encounter an out-of-control, press the one-button landing first, and the drone will descend slowly. In an emergency case, you can press the emergency stop button.

Maintenance and repair

1. Avoid exposing this product to sunlight or heat.
2. Do not immerse the product in water, as this may damage the electronic parts.
3. Check the plug and other accessories regularly and if you find any damage, stop using it immediately until it is completely repaired.

Maintenance procedure

Problem	Reason	Solution
The flight not responding	1. The flight 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, see (Preparation for Flight).
The direction of forwarding flight is deflected in the headless state	Head deviation caused by multiple collisions	Redefine the front direction, see for details(Headless mode).
Unstable fixed height/shaking up and down	1. Did not proceed the calibration successfully. 2. Unstable air pressure in bad weather conditions. 3. Severe collision causes gyroscope data disorder.	1. Proceed the calibration again, see (Preparation for Flight). 2. Try to avoid flying in bad weather. 3. Proceed the calibration again, see (Preparation for Flight).

After-sales information:



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Please read the manual carefully before using the product and keep this manual for future reference.

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

E-mail: ximvnlei@gmail.com (24hr/7d)

App Operating Guide

Please scan the corresponding QR code to download App.



IOS



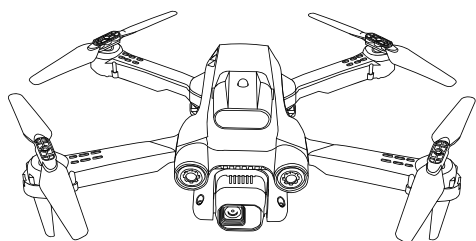
Android



Google play

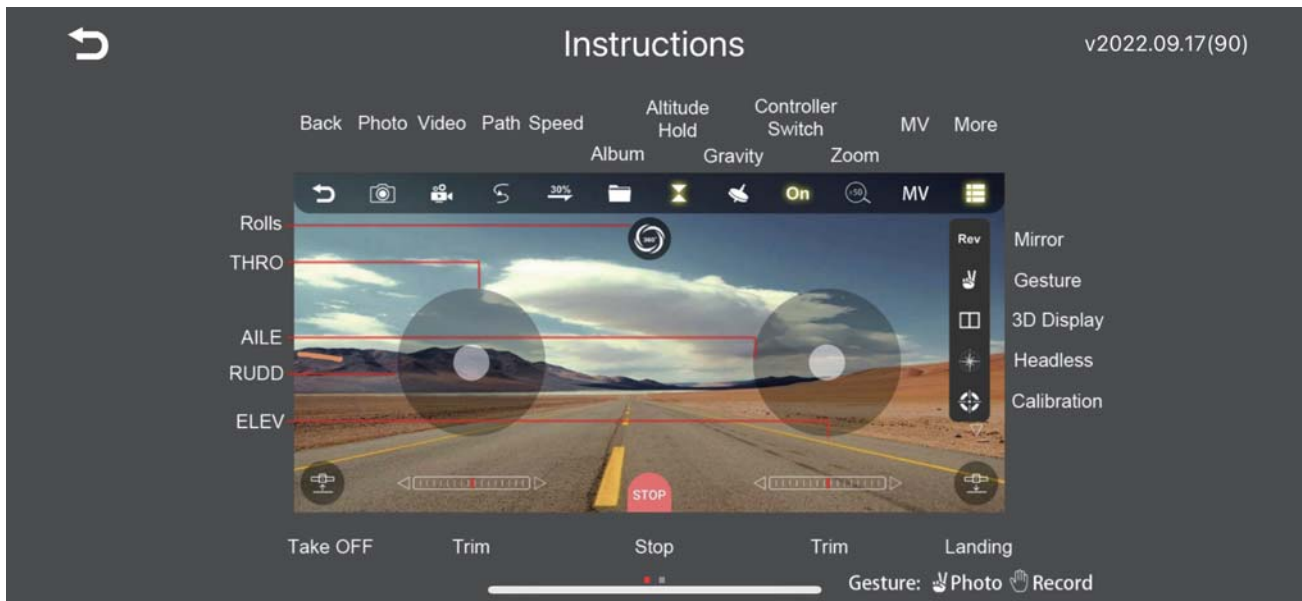
Add a device

1. Turn on the product power switch
2. Enter the phone "Settings" and open WIFI
3. Find the device's WIFI hotspot "X-IDRONE17_****" from the WIFI list, click on the connection until the connection is successful
4. Open App, click the start icon to enter the real-time interface



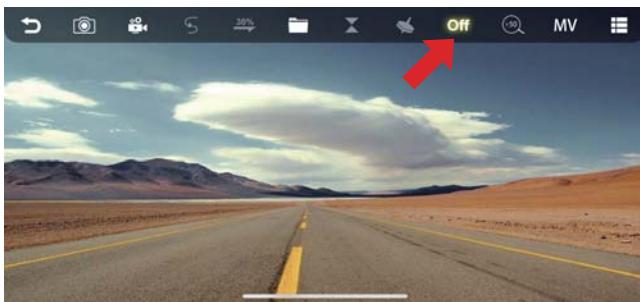
Operating instructions

For icon meaning of each operating and player interface, pls see below.



Function introductions of APP control interface

● Control mode

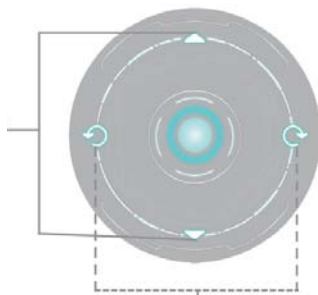


Notice:

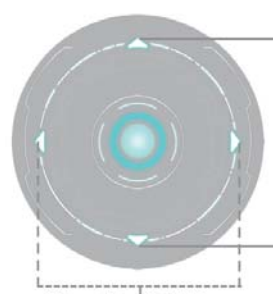
After connecting to the aircraft, turn on the control in the control mode

● Rocker

Throttle slide up/down
The aircraft will ascend /descend



Steering: Swipe left/right
The aircraft will rotate left/right



Front/Back: Swipe up/down
The aircraft will go forward /backward

Side flight: swipe left/right
The aircraft will fly left/right

● 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. Headless Mode



Press the headless mode button as shown, and the remote control will emit a short "beep" sound. Then the drone light will flash slowly, the drone enters the headless mode, if you press the button again the drone will exit the headless mode.

3. Track Mode



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

Notice:

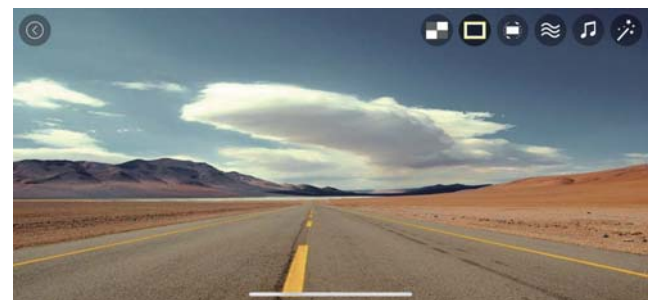
- This feature can only be done if you have enough airspace.
- This function cannot be used when the drone is in a low battery state.

4. Gesture Photo/Video



Click the icon in the APP to take photos or videos by gestures. Scissors gesture to take photo, palm gesture video. After the shooting is finished, the photo or video will be saved to the album.

5. MV Function



Click MV button in the APP, you could have fun with your flight, such as split screen, center and tile the picture, rotate the screen, add music and filters.

After-sales information:



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Please read the manual carefully before using the product and keep this manual for future reference.

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

E-mail: ximvnlei@gmail.com (24hr/7d)

WARNING

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

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

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.

SAFETY PRECAUTIONS

1. The flying zone must be legally approved by your local government.
2. Keep your drone away from heat and prolonged exposure to direct sunlight to avoid damage.
3. Avoid moisture. Humidity and water can damage your drone, which in turn may cause accidents.
4. Please be sure that all the propellers are undamaged and are installed in the correct orientation.
5. Please operate your drone as your skill level allows. User fatigue, impairment and improper operation can cause accidents.
6. Do not touch propellers, motors or other moving parts while your drone is on.
7. Please don't use this product to follow any moving vehicles.
8. Please flight the drone back to you as soon as possible when the battery is running low.