**2.4GHZ**
**INTELLIGENT HIGH-DEFINITION PHOTOGRAPHY**

14+ AGES

# QUADCOPTER
## USER'S MANUAL

(THIS MANUAL IS APPLICABLE TO A SERIES OF PRODUCT INTRODUCTIONS FROM OUR FACTORY, AND EACH PRODUCT HAS DIFFERENT CONFIGURATIONS. PLEASE REFER TO THE ACTUAL PRODUCT FOR SPECIFIC CONFIGURATIONS. THE PRODUCTS IN THIS MANUAL ARE FOR REFERENCE ONLY, AND THE PRODUCT DESIGN SHOULD BE BASED ON THE ACTUAL PRODUCT!)

THANK YOU FOR USING OUR FACTORY'S AERIAL PHOTOGRAPHY PRODUCTS. IN ORDER TO GIVE YOU A BETTER UNDERSTANDING OF THIS PRODUCT, PLEASE READ THE FOLLOWING MANUAL CAREFULLY BEFORE USE. THIS WILL BRING YOU A DIFFERENT OPERATING EXPERIENCE.

## IMPORTANT SAFETY INFORMATION

1. THIS PRODUCT IS NOT A TOY, BUT A PRECISION EQUIPMENT THAT INTEGRATES PROFESSIONAL KNOWLEDGE SUCH AS MECHANICS, ELECTRONICS, AERODYNAMICS, AND HIGH-FREQUENCY EMISSION. IT REQUIRES CORRECT ASSEMBLY AND DEBUGGING TO AVOID ACCIDENTS. THE HOLDER OF THIS PRODUCT MUST OPERATE AND CONTROL IT IN A SAFE MANNER. AS IMPROPER OPERATION MAY CAUSE SERIOUS PERSONAL INJURY OR PROPERTY DAMAGE, WE ARE NOT RESPONSIBLE FOR THIS, BECAUSE WE CANNOT CONTROL THE PROCESS OF ASSEMBLY, USE AND OPERATION.
2. THIS PRODUCT IS SUITABLE FOR PEOPLE WHO HAVE EXPERIENCE IN OPERATING MODELS AND ARE NO LESS THAN 14 YEARS OLD.
3. THE FLIGHT SITE MUST BE A LEGALLY CONTROLLED MODEL FLIGHT SITE IN THE LOCAL AREA.
4.ONCE THE PRODUCT IS SOLD, WE WILL NOT BE HELD RESPONSIBLE FOR ANY SAFETY ISSUES ARISING FROM OPERATION, USE, CONTROL, ETC.
5. IN CASE OF USAGE, OPERATION, MAINTENANCE AND OTHER ISSUES, WE ENTRUST DEALERS TO PROVIDE TECHNICAL SUPPORT AND AFTER-SALES SERVICE.PLEASE CONTACT YOUR LOCAL DEALER.V

## SAFETY PRECAUTIONS

REMOTE CONTROLLED MODEL AIRCRAFT ARE HIGH-RISK GOODS, AND IT IS IMPORTANT TO STAY AWAY FROM CROWDS DURING FLIGHT. IMPROPER ASSEMBLY OR DAMAGE TO THE AIRCRAFT POOR ELECTRONIC CONTROL EQUIPMENT, AND UNFAMILIARITY WITH OPERATION CAN ALL LEAD TO UNPREDICTABLE ACCIDENTS SUCH AS AIRCRAFT DAMAGE OR PERSONAL INJURY. PILOTS MUST PAY ATTENTION TO SAFETY AND UNDERSTAND THE RESPONSIBILITY FOR ACCIDENTS CAUSED BY THEIR OWN NEGLIGENCE.

**1. STAY AWAY FROM OBSTACLES AND CROWDS**
REMOTE CONTROLLED AERIAL VEHICLES HAVE UNCERTAIN FLIGHT SPEEDS AND STATES DURING FLIGHT, POSING POTENTIAL HAZARDS. WHEN FLYING, IT IS NECESSARY TO STAY AWAY FROM CROWDS, HIGH-RISE BUILDINGS, HIGH-VOLTAGE POWER LINES, ETC. AND AVOID FLYING IN ADVERSE WEATHER SUCH AS WIND, RAIN, AND THUNDERSTORMS TO ENSURE THE SAFETY OF PILOTS, SURROUNDING PEOPLE, AND PROPERTY.

**2. KEEP AWAY FROM HUMID ENVIRONMENTS.**
THE INTERIOR OF THE AIRCRAFT IS COMPOSED OF MANY PRECISION ELECTRONIC COMPONENTS AND MECHANICAL PARTS, SO IT IS NECESSARY TO PREVENT MOISTURE OR WATER VAPOR FROM ENTERING THE AIRCRAFT TO PREVENT MECHANICAL AND ELECTRONIC COMPONENT FAILURES AND ACCIDENTS!

**3. FOR SAFE OPERATION**
PLEASE OPERATE THE REMOTE-CONTROLLED AIRCRAFT ACCORDING TO YOUR OWN CONDITION AND FLYING SKILLS. FATIGUE, POOR MENTAL STATE, OR IMPROPER OPERATION WILL INCREASE THE PROBABILITY OF UNEXPECTED RISKS.

**4. STAY AWAY FROM HIGH-SPEED ROTATING PARTS**
WHEN THE PROPELLER IS SPINNING AT HIGH SPEED, PLEASE KEEP THE PILOT, SURROUNDING PEOPLE, AND OBJECTS AWAY FROM THE ROTATING PARTS TO AVOID DANGER AND DAMAGE.

## THIS PRODUCT USES LITHIUM POLYMER BATTERIES (LIPO)

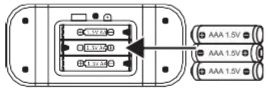
LITHIUM BATTERIES ARE DIFFERENT FROM REGULAR BATTERIES IN THAT THEY ARE WRAPPED IN A THIN LAYER OF TIN FOIL TO CONTAIN THEIR CHEMICAL SUBSTANCES. THIS GREATLY REDUCES ITS WEIGHT, BUT MAKES IT MORE VULNERABLE TO ROUGH OR INAPPROPRIATE OPERATIONS. JUST LIKE ALL BATTERIES, AS IMPROPER OPERATIONS CAN CAUSE FIRES AND EXPLOSIONS.

- DO NOT PLACE THE BATTERY IN THE MODEL FOR CHARGING, AS THIS MAY CAUSE THE BATTERY TO CATCH FIRE AND DAMAGE YOUR AIRCRAFT.
- IF YOU PLAN TO NOT USE THIS PRODUCT FOR A WEEK OR LONGER, PLEASE ALLOW THE BATTERY TO RETAIN 50% OF ITS CAPACITY TO INCREASE ITS LIFESPAN. KEEP THE BATTERY AT 50% CAPACITY AND CHARGE IT WITH ONLY HALF OF THE TIME IT TAKES TO FULLY CHARGE IT.
- PLEASE USE THE ORIGINAL PROFESSIONAL CHARGER TO CHARGE THE BATTERY.
- DO NOT CHARGE ON THE CARPET TO PREVENT FIRE.
- LITHIUM BATTERIES NEED TO BE CHARGED AFTER BEING STORED FOR MORE THAN THREE MONTHS TO MAINTAIN VOLTAGE AND ENSURE THEIR EXPECTED LIFESPAN FATE.

## PRODUCT CONFIGURATION LIST

## INSTALLATION AND CHARGING OF REMOTE CONTROL AND AIRCRAFT BATTERY

### REMOTE CONTROL BATTERY INSTALLATION




THE REMOTE CONTROL USES THREE 1.5V AA NON RECHARGEABLE BATTERIES. (AS SHOWN IN THE FIGURE) PLACE THE BATTERY CORRECTLY ACCORDING TO THE ELECTRODE INSTRUCTIONS ON THE BATTERY BOX (+/-).

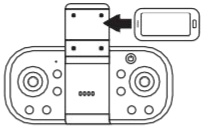
### AIRCRAFT BATTERY CHARGING

1. CONNECT THE COMPUTER TO A USB CABLE FOR CHARGING
CONNECT THE USB CHARGING END TO THE AIRCRAFT BATTERY PLUG, AND THE OTHER END CAN BE CONNECTED TO THE USB PORT OF THE COMPUTER TO CHARGE THE BATTERY. THE LIGHT WILL TURN ON WHEN CHARGING AND OFF WHEN FULLY CHARGED.
2. CONNECT THE AIRCRAFT POWER SUPPLY:
INSERT THE CHARGED BATTERY INTO THE ELECTRICAL SOCKET OF THE AIRCRAFT, THEN ALIGN THE BATTERY PLUG WITH THE POWER INPUT PORT ON THE AIRCRAFT TO CONNECT THE POWER. AFTER CONNECTING, TURN ON THE AIRCRAFT POWER SWITCH, AND THE AIRCRAFT LIGHT WILL LIGHT UP.

## REMOTE CONTROL OPERATION

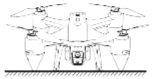
### 1.MOBILE PHONE HOLDER

PULL OUT THE BRACKET OF THE REMOTE CONTROL AND CLAMP THE PHONE IN PLACE



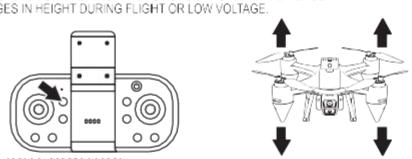
### 2. 2.24 FREQUENCY MATCHING

PLACE THE AIRCRAFT ON A FLAT SURFACE, TURN ON THE REMOTE CONTROL SWITCH, THEN TURN ON THE AIRCRAFT POWER SWITCH, AND PUSH THE THROTTLE LEVER OF THE REMOTE CONTROL TO THE TOP FIRST, PULL TO THE BOTTOM AGAIN, AND THE AIRCRAFT INDICATOR LIGHT WILL REMAIN ON, INDICATING SUCCESSFUL FREQUENCY MATCHING.



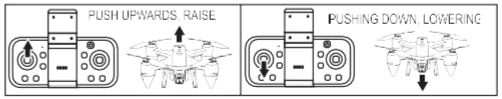
### 3. ONE CLICK TAKEOFF AND ONE CLICK LANDING

THIS PRODUCT IS SET TO A CERTAIN HEIGHT THROUGH A BAROMETER DUE TO VARIOUS ENVIRONMENTAL FACTORS SUCH AS TEMPERATURE IT IS NORMAL FOR THE AIRCRAFT TO AUTOMATICALLY EXPERIENCE CHANGES IN HEIGHT DURING FLIGHT OR LOW VOLTAGE.

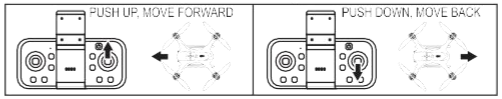


### 4. FLIGHT CONTROL (NOTE: THE SIDE WITH A CAMERA IS IN FRONT)

**A: ACCELERATOR (LEFT CONTROL LEVER)**




**B: FORWARD/BACKWARD (RIGHT JOYSTICK)**

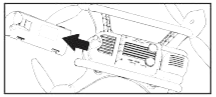


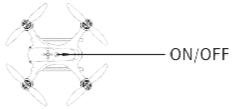

### 10. LENS ADJUSTMENT LIGHTING ON/OFF

### 11. LENS DOWN ADJUSTMENT LIGHT MODE SWITCHING

## PROBLEM SOLVING GUIDELINES

| PROBLEM | REASON | PROCESSING METHOD |
|---|---|---|
| CONNECT THE AIRCRAFT BATTERY, AND THE INDICATOR LIGHT ON THE AIRCRAFT WILL CONTINUE TO FLASH WITHOUT ANY RESPONSE DURING OPERATION/ | REMOTE CONTROL AND AIRCRAFT FAILED TO SYNCHRONIZE FREQUENCY | PLEASE PERFORM THE FREQUENCY SYNCHRONIZATION BETWEEN THE REMOTE CONTROL AND THE AIRCRAFT AGAIN/WW |
| AFTER CONNECTING THE AIRCRAFT BATTERY, THERE WAS NO RESPONSE FROM THE AIRCRAFT | 1. CHECK IF THE REMOTE CONTROL AND AIRCRAFT ARE CONNECTED TO POWER<br>2. CHECK IF THE REMOTE CONTROL AND AIRCRAFT BATTERY ARE IN A LOW BATTERY STATE<br>3. IS THERE POOR CONTACT BETWEEN THE POSITIVE AND NEGATIVE ELE CTRODES OF THE BATTERY | 1. OPEN THE REMOTE CONTROL AND INSERT THE BATTERY TO CONNECT IT<br>2. USE A FULLY CHARGED AND FULL BATTERY<br>3. REINSERT THE BATTERY AND CONFIRM IF THE CONTACT BETWEEN THE POSITIVE AND NEGATIVE ELECTRODES OF THE BATTERY IS NORMAL |
| WHEN PUSHING THE THROTTLE LEVER, THE MAIN MOTOR DOES NOT ROTATE AND THE INDICATOR LIGHT ON THE AIRCRAFT STARTSTO FLASH | INSUFFICIENT LITHIUM POLYMER BATTERY FOR AIRCRAFT | REPLACE THE BATTERY CHARGING WITH ANOTHER FULLY CHARGED BATTERY |
| THE MAIN ROTOR OF THE AIRCRAFT CONTINUES TO ROTATE BUT CANNOT TAKE OFF | 1. DEFORMATION OF THE MAIN ROTOR<br>2. INSUFFICIENT BATTERY POWER OF THE AIRCRAFT | 1. REPLACE THE MAIN ROTOR<br>2. CHARGE THE BATTERY OR REPLACE IT WITH ANOTHER FULLY CHARGED BATTERY |
| THE AIRCRAFT VIBRATES VIOLENTLY | MAIN ROTOR DEFORMATION | REPLACING THE MAIN ROTOR |






## AIRCRAFT INSTALLATION

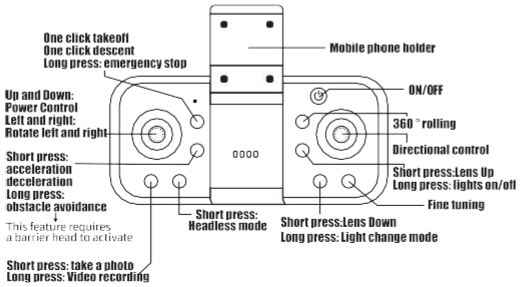
### 1. INSTALLATION OF AIRCRAFT BLADES

PLEASE INSTALL THE PROPELLER IN THE CORRECT DIRECTION. MARK A ON THE PROPELLER SHOULD BE INSTALLED ON THE BOOM OF THE UPPER LEFT AND LOWER RIGHT CORNERS OF THE AIRCRAFT, AND BE THE SAME. MARK B ON THE PROPELLER SHOULD BE INSTALLED ON THE BOOM OF THE UPPER RIGHT AND LOWER LEFT CORNERS OF THE AIRCRAFT. WHEN INSTALLING, PLEASE ALIGN THE BLADE CLAMP WITH THE SQUARE FITTING OF THE GEAR ASSEMBLY AND TIGHTEN THE SCREW AFTER INSTALLATION!

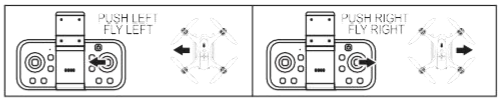
### 2.INSTALLATION OF AIRCRAFT PROTECTION FRAME

ALIGN THE PROTECTIVE FRAME WITH THE POSITION OF THE AIRCRAFT'S TENSION ARM (AS SHOWN IN THE PICTURE) AND INSTALL THE BUCKLE TIGHTLY

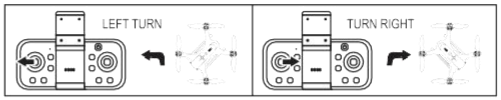
## REMOTE CONTROL BUTTON FUNCTIONS



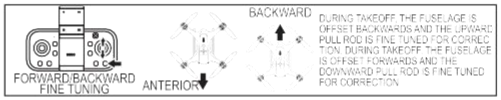

**C: LEFT RIGHT FLYING**



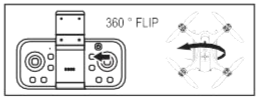

**D: LEFT AND RIGHT TURNS**




### 5. FINE TUNING CONTROL

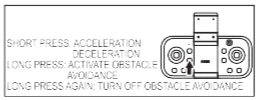


### 6. 360 ° IN THE AIR

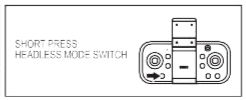


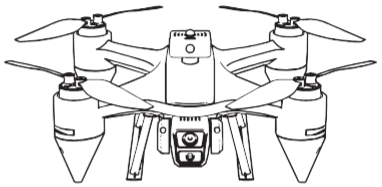

### 7. TAKING PHOTOS/VIDEOS

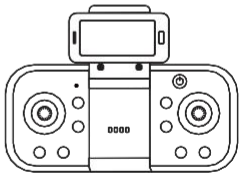
### 8.OBSTACLE AVOIDANCE MODE




### 9. HEADLESS RETURN FLIGHT





**FLY FURTHER AND SEE MORE**

# FCC Statement

**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.**

**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.**

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