

**Tongli Xing
M5 Remote Control
Quadcopter**



Tongli Xing M5 Remote Control Quadcopter Instruction Manual

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Tongli Xing

Tongli Xing M5 Remote Control Quadcopter



Specifications

- **Product Name:** CBUUFSZ
- **Model Number:** JHVSF
- **Features:** DPWFS, CBUUFSJFT, BDDPSEJOH

Product Usage Instructions:

Setting Up the CBUUFSZ:

Follow these steps to set up your CBUUFSZ:

1. Connect the DPWFS to the power source.
2. Ensure proper ventilation for the device.

Operating the CBUUFSZ:

To operate the CBUUFSZ:

1. Turn on the device by pressing the power button.
2. Adjust the settings as needed using the control panel.

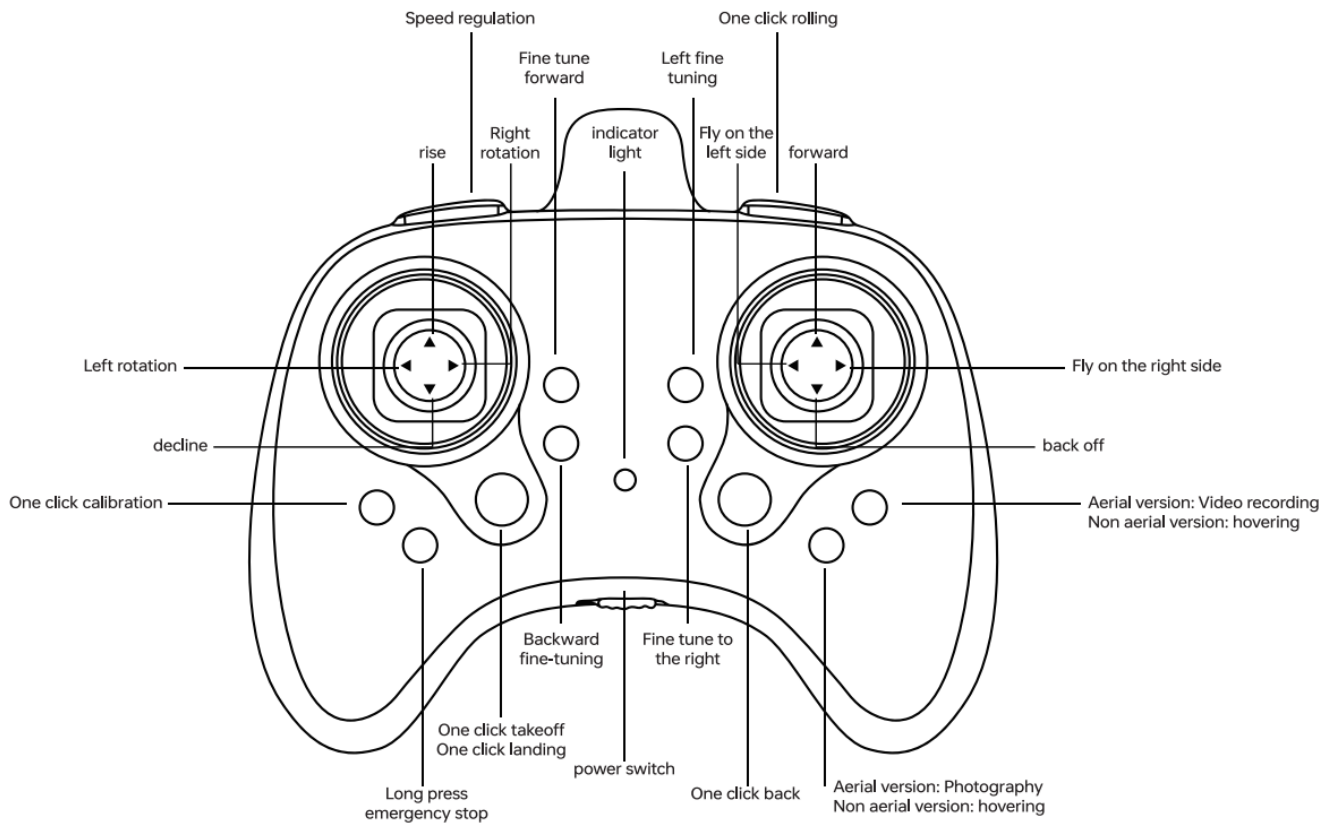
Maintenance:

Regular maintenance of the CBUUFSZ is essential for optimal performance:

- Clean the device regularly to prevent dust buildup.
- Check for any loose connections or parts.

Thank you for purchasing our company's product. In order to use it correctly and ensure your safety, please carefully read this user manual before using the product and keep it proper v for future reference.

Function keys and name description of remote control

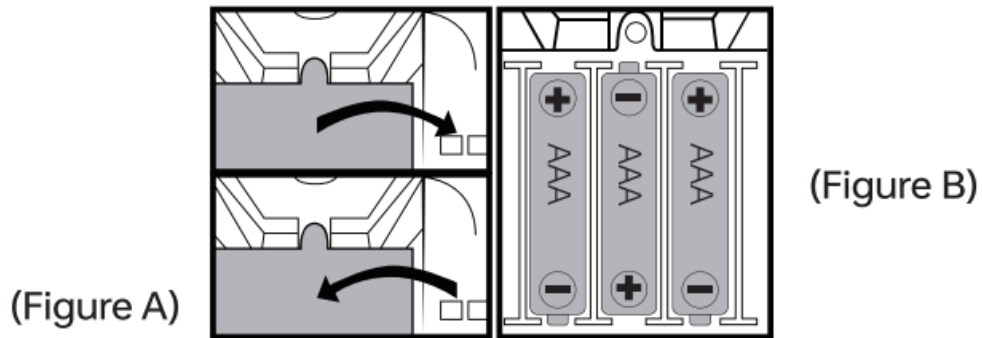


| Serial number | Function keys and names | effect |
|---------------|-----------------------------------|--|
| 1 | Speed control key | Lightly adjust the speed of the aircraft's left/right/forward/backward/left/right flight. |
| 2 | One click rolling | This button is the roll function key, which controls the aircraft to perform roll operations. |
| 3 | photograph | Tap to enter the camera function, then press the cancel function. |
| 4 | videotape | Tap to enter the recording function, then press the cancel function. |
| 5 | Forward fine-tuning key | When the aircraft moves backwards, adjust the forward adjustment until the drone no longer moves backwards. |
| 6 | Back fine-tuning key | When the aircraft moves forward, adjust the backward fine-tuning until the drone no longer moves forward. |
| 7 | Right side fly fine-tuning key | When the aircraft moves to the left, adjust the right side flight adjustment until the drone no longer moves to the left. |
| 8 | Left side fly fine adjustment key | When the aircraft moves to the right, adjust the left side flight adjustment until the drone no longer moves to the right. |
| 9 | Left joystick | Ascend/descend, turn left/right. |
| 10 | Right joystick | Forward/backward, fly left/right. |
| 11 | One takeoff/landing | Touch this button to raise the aircraft to a certain altitude; Under normal flight conditions, touch this button again and the aircraft will slowly land on the ground. Long press this button to quickly drop the aircraft. |
| 12 | One click back | When the one button is pressed to reverse, the aircraft will abandon its forward, backward, left, right orientation and automatically fly in the reverse direction. This function will stop when the right joystick is operated. |
| 13 | power switch | Turn left to turn off the remote control, turn right to turn on the remote control. |
| 14 | One click calibration | Place the aircraft on a horizontal surface, press the one button calibration button, and the aircraft will automatically calibrate. |
| 15 | One click emergency stop | When the aircraft collides during flight and cannot be controlled, please immediately use the emergency stop function key to achieve an emergency stop, which is not available under normal circumstances. |

Installation instructions for remote control battery

1. Open the battery cover on the back of the remote control. (Figure A)

2. Install 3 AAA batteries correctly according to the electrode indications inside the battery box. (Figure B) Do not mix new 1 or different types of batteries.
3. Close the battery cover.

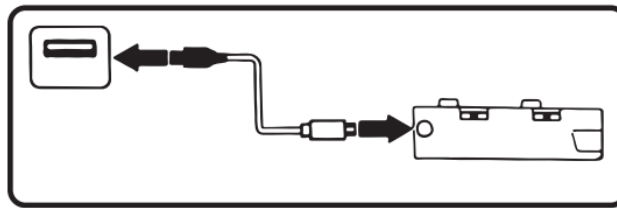


Instructions for Charging Aircraft Lithium Batteries

- Remove the lithium battery module from the aircraft battery compartment. (Figure C) Then connect the other end to the charging port of the lithium battery module; When charging, insert the USB charging cable plug into the USB power socket, and the LED light will stay on. When charging is complete, the LED light will turn off, and the charging time is about 120-150 minutes. After charging is completed, install the lithium battery module into the battery slot as shown in the figure below. (Figure E)
- Special reminder: Please fully charge the battery before flying.
- Low voltage warning special note: When the aircraft enters the low voltage warning, the body lights will flash slowly, indicating that the aircraft's power is about to be depleted and it needs to fly back immediately. be careful:



(Figure C)



(Figure D)

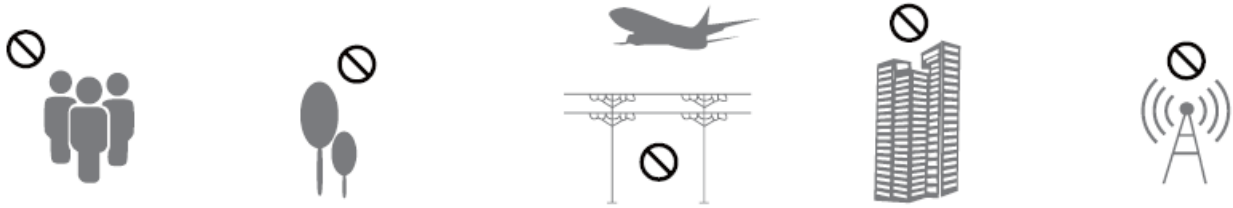


(Figure E)

1. Ensure that the voltage and plug of the charger comply with your local standards. (The battery should be stored in a cool place to avoid direct sunlight exposure)
2. When charging, if the charging plug overheats, it indicates overcharging, which can damage the battery and, in severe cases, cause permanent damage to the battery. Please stop charging immediately
3. Personnel must not leave while charging.
4. This charging method adopts advanced balanced charging method. For safe charging, do not use other chargers to charge lithium batteries casually to avoid the risk of explosion.
5. When the aircraft has just completed its flight, it is best to wait for about 30 minutes for the battery temperature to cool down before charging the lithium battery, otherwise it will damage the battery. (The aircraft needs to remove the battery when not in use and store it at 80% of its capacity to extend battery life)
6. Do not put the battery into fire to avoid the risk of explosion.

Pre flight environmental requirements:

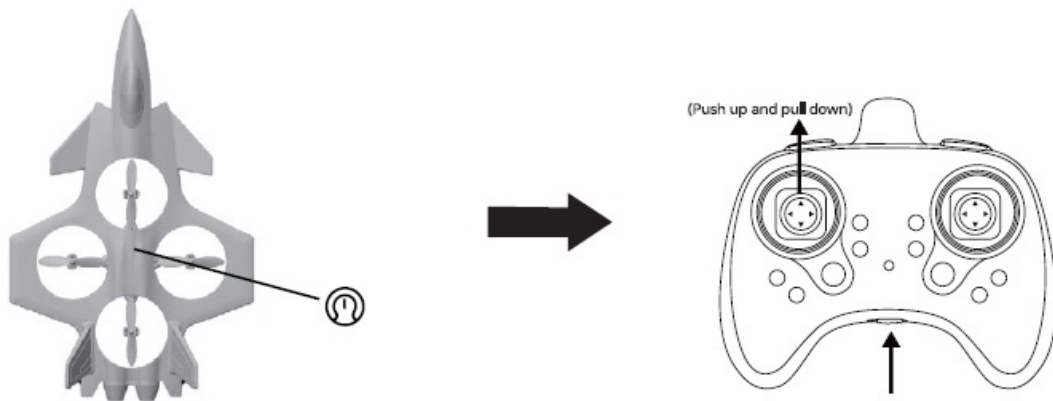
Please choose to fly in an open indoor environment or an outdoor environment without rain, snow, or wind. When flying, please stay away from crowds, trees, power lines, tall buildings, airports, and signal transmission towers.



Pre flight preparation instructions:

Aircraft Frequency Response

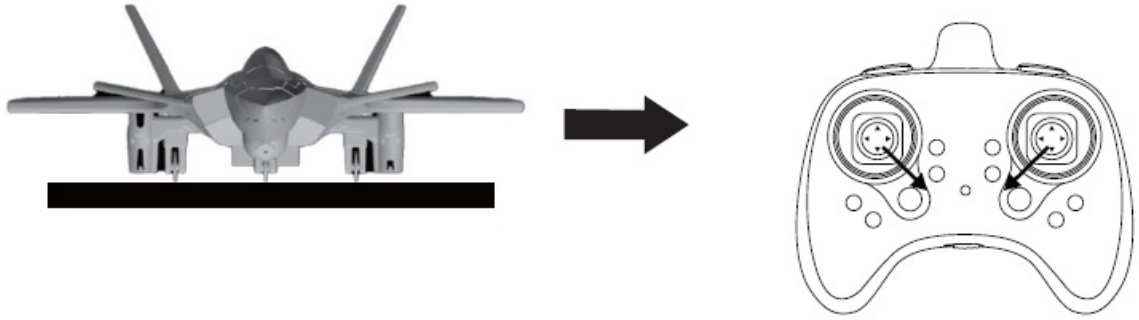
1. Install the aircraft battery and remote control battery, turn on the aircraft power switch, turn on the flashing lights on the fuselage, and place it on a level ground.
2. First turn on the aircraft switch, then turn on the remote control switch, wait for 2-3 seconds, and the aircraft lights will go from flashing to constant on to complete the frequency matching. (Important reminder: The product must be operated according to the steps for frequency matching, otherwise it is easy to have poor connection and operation.).



Calibration of Gyroscope Operation

After successful frequency matching between the aircraft and the remote control, the aircraft can be calibrated by simultaneously turning the throttle control lever and direction control lever towards the center according to the direction shown in the diagram. At the same time, the aircraft indicator light flashes rapidly. When the indicator light stays on, release all buttons on the remote control to complete the calibration.

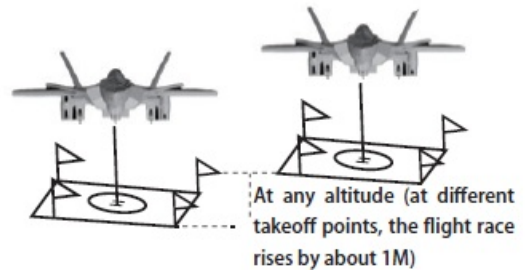
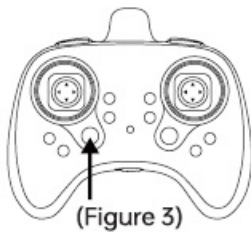
- Special reminder: If the aircraft takes off, it can also be corrected by calibrating the gyroscope.
- Attention: Calibration must be completed on a horizontal plane.






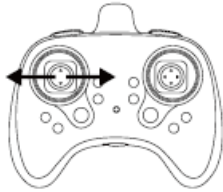




One click takeoff and landing

After unlocking is complete, press the takeoff button on the remote control briefly (as shown in Figure 3), and the aircraft will automatically rise to a height of about 1 meter and maintain stable flight at this height. If landing is required, touch this button again, and the aircraft will automatically land slowly.

- Attention: One click landing must land on a horizontal plane, as the fixed altitude function landing not on a horizontal plane can cause the aircraft to deviate and fly randomly.
- At any altitude (at different takeoff points, the flight race (Figure 3) rises by about 1M)
- Flight steps prompt: Frequency calibration (refer to 5.1) – Gyroscope calibration (refer to 5.2) – One click takeoff/landing (refer to 5.3)








Control method

| | | |
|---|--|---|
|  |  | <p>When the left control lever (throttle) is pushed upwards, the speed of the main fan blades increases and the aircraft rises. When the left control lever (throttle) is pushed down, the speed of the main fan blades slows down and the aircraft descends.</p> |
|  |  | <p>When the left control lever (rudder) is pushed to the left, the aircraft nose turns left. Push to the right, the nose of the aircraft turns to the right.</p> |
|  |  | <p>When the right control lever (rudder) is pushed upwards, the aircraft moves forward. When the right control lever F (rudder) is pushed down, the aircraft moves backwards.</p> |
|  |  | <p>When the right control lever (rudder) is pushed to the right, the aircraft body tilts to the right for flight. When the right control lever (rudder) is pushed to the left, the aircraft body tilts to the left for flight.</p> |

Fine tuning function

If the drone is still spinning or veering in the air without pushing the rudder control lever during flight, the fine-tuning function can be used to adjust the rudder. The operation method is as follows:

| | |
|---|--|
|  <p>When the drone hovers, the body moves backwards and adjusts the forward movement until the drone is fine tuned, until it doesn't move backwards.</p> |   <p>When the drone hovers, the body moves forward, adjust the backward and fine tune until the drone no longer moves forward.</p> |
|  <p>When the drone is hovering, the body flies to the left, adjust the right side flight fine-tuning until the drone does not move to the left.</p> |  <p>When the drone is hovering, the body flies to the right, adjust the left side flight fine-tuning until the drone does not move to the right.</p> |

Speed switching

The default mode for aircraft startup is low-speed mode, which can be switched through the speed control button: "beep" for low-speed mode, "beep-beep~" for medium speed mode, and "beep~beep~beep" for high-speed mode.

One click back

One key reverse function in headless mode: When the one key reverse is pressed, the aircraft immediately stops the current flight action and flies backwards in the direction of the remote control. After shaking the control lever, this function is exited. If the remote control does not perform any operation, the aircraft will continue to fly backwards. 2. One key reverse function in non headless mode: When the one key reverse is pressed, the aircraft immediately stops the current flight action and flies backwards towards the tail of the aircraft. After shaking the control lever, this function is exited. If the remote control does not make any operation, the aircraft will remain in a backward flight state

One click emergency stop

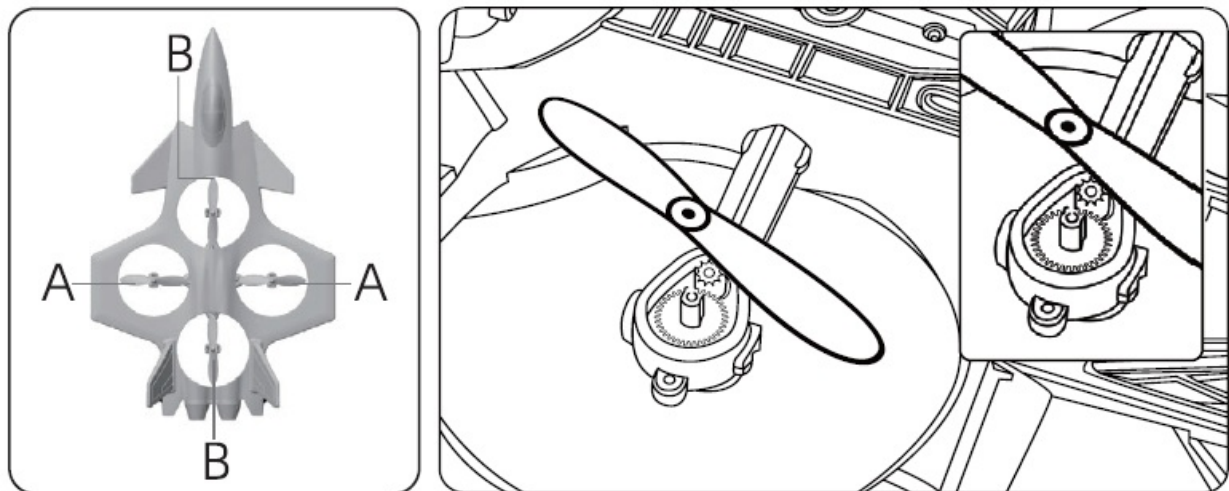
When the aircraft collides during flight and cannot be controlled, please immediately use the emergency stop function key to achieve an emergency stop, which is not available under normal circumstances.

One click rolling

The aircraft can perform a 360 *flight by operating the joystick below. To better perform the rolling function, please ensure that the aircraft has sufficient power and maintains a height of about 1.5 meters from the ground. It is best to operate the aircraft to roll during the ascent process, so that it is easier to maintain altitude after rolling. When the battery is low, rolling may cause altitude drop or inability to roll. Please recharge in time to experience more flying fun.

Fan blade installation

Please replace the fan blade part according to the following diagram and plug it in and out directly; if installed incorrectly, the aircraft will not be able to fly normally. Remove the fan blades and replace them. Ensure that all propellers are installed correctly.



Problem solving guide

| problem | reason | terms of settlement |
|--|---|---|
| The aircraft indicator light flashes and there is no response to the operation | 1. The aircraft and remote control did not successfully match frequency. 2. The aircraft's battery is low | 1. Re align the aircraft with the remote control (5.1) 2. Charging the battery (3) |
| Aircraft blades rotate but cannot fly | 1. Insufficient battery power 2. Blade deformation | 1. Charge the battery (3) 2. Replace the blade (12) |
| The aircraft is shaking violently | Blade deformation | Replace blade (12) |
| Fine tuned to the end, but still unable to make the aircraft smooth | 1. Blade deformation 2. Motor malfunction | 1. Replace the blade (12) 2. Replace the motor |
| After the impact, the aircraft was restarted and flew uncontrollably | Three axis acceleration sensor loses balance due to impact | After letting the aircraft rest for 5-10 seconds, or by correcting the gyroscope, it can be done (5.2) |
| A motor does not rotate. | Motor stuck | 1. Clean up any foreign objects or hair on the motor fan blades. 2. Gently turn the fan blades upwards, restart and calibrate the gyroscope before taking off (5.2) |

Special note:

The product has a high pressure setting function, but does not have a fixed point effect. When stopped in the air without control, the product will move slightly at the same height in the air.

Precautions

1. The packaging and instructions contain important information and should be retained.
2. You are responsible for ensuring that this aircraft will not cause harm to others' personal or property.
3. When debugging and installing the aircraft, it is necessary to strictly follow the operating instructions, and pay attention to maintaining a distance of 2-3 meters from the user or other people during flight to avoid hitting people's heads, faces, and bodies during flight or landing, which may cause injury.
4. Our company and the seller are not responsible for any loss, damage, or bodily injury caused by improper use or operation.
5. Children should be guided by adults when operating aircraft, and this product is prohibited for children under 14 years old.
6. Please follow the instructions or packaging instructions for correct installation and use. Some components should be assembled by adults.
7. The product contains small parts, please keep them out of reach of children to prevent the risk of accidental ingestion or suffocation. 8. It is strictly prohibited to play on the road or in areas with accumulated water to avoid accidents.
8. 9. Please promptly put away the packaging materials to avoid causing harm to children.
9. Do not disassemble or modify the aircraft as it may cause malfunctions.
10. The charging cable should be plugged into the designated power supply 5V-2A that matches the product label.

Using other charging cables may cause battery damage and pose a risk of accidents

1. Charging cables are not toys.
2. When charging a rechargeable battery, it must be done under the supervision of an adult, and flammable materials must be kept away during charging. The guardian should not leave the monitoring area during charging.
3. Please do not short-circuit or squeeze the battery to avoid explosion.
4. Do not mix different types of lithium batteries.
5. The aircraft uses rechargeable lithium batteries, which need to be unplugged for charging.
6. Do not short-circuit, disassemble, or put the battery into a fire: Do not place the battery in a high temperature or heated place (such as in a fire or near an electric heating device). Aircraft should be used as far away as

possible from other electrical

7. equipment and magnetic objects, as they may cause mutual interference.
8. Please maintain a safe distance from the high-speed rotating propeller to avoid the risk of twisting or cutting
9. The motor is a heating component, please do not touch it to avoid burns.
10. Light emitting diode laser radiation, do not direct the beam directly.
11. Do not use the model near your ears! Misuse may lead to hearing loss.
12. The U58 charging cable must use the data cable provided by our company to charge the battery, otherwise it may cause damage to the battery and pose a serious danger of accidents
13. To ensure the requirements of the magnetic environment for aviation radio stations. During the period when relevant national departments issue radio control orders, the use of model remote controllers should be stopped within the district as required.
14. When the aircraft battery is fully charged, be sure to turn off the switch and unplug the battery. Wait for 30 minutes before charging, otherwise it may cause battery damage.

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:
 2. Reorient or relocate the receiving antenna.
 3. Increase the separation between the equipment and receiver.
 4. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 5. Consult the dealer or an experienced radio/TV technician for help.
6. RF warning for Portable device:
7. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Frequently Asked Questions

- **Q: How do I troubleshoot if the CBUUFSZ does not power on?**

A: Check the power source and connections to ensure they are secure. If the issue persists, contact customer support.

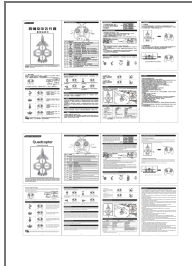
- **Q: Can I adjust the settings while the CBUUFSZ is in operation?**

A: It is recommended to adjust settings when the device is not in operation to avoid any potential risks.

- **Q: What should I do if there is an error message displayed on the CBUUFSZ?**

A: Refer to the user manual for error code explanations. If needed, contact customer support for further assistance.

Documents / Resources



[Tongli Xing M5 Remote Control Quadcopter](#) [pdf] Instruction Manual
2BBUZ-DRM5, 2BBUZDRM5, M5 Remote Control Quadcopter, M5, Remote Control Quadcopter, Control Quadcopter, Quadcopter

References

- [User Manual](#)

Manuals+, [Privacy Policy](#)

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