

Remote Controller	
Working frequency	5.8G
Battery capacity	3600mAh
Charging time	About 3.5 hours
Operation time	About 4 hours
Operating voltage	3.7V
Mobile device holder	3.5 inches
Operating temperature	32°F to 104°F (0°C to 40°C)

Smart Flight Battery	
Battery capacity	3200 mAh
Voltage	7.7V
Battery type	Li-polymer
Energy	24.64Wh
Net weight	About 126.5 g / 4.46 oz
Charging time	About 2.5 hours (using PD fast charging)
Charging temperature range	32°F to 104°F (0°C to 40°C)

7.2 Accessories Support



Battery



Propellers



Remote
controller

- All of the above accessories can be purchased by searching on Amazon and visiting the Bwine store. Be sure to use only original manufacturer parts. Using non-original parts may pose a risk to the safe operation of the aircraft.

7.3 Common Problems and Solutions

Problems	Reason	Solutions
Unable to unlock the motors and take off	GPS Signal Weak	To unlock and take off your aircraft outdoors, ensure it's in an open area and has acquired a sufficient GPS signal strength of 3 bars or more.
	Indicator flashing red	Ensure your aircraft is set on a level and smooth ground prior to taking off.
	Indicator flashing yellow quickly (10 times per second)	The compass is not calibrated. Please refer to the compass calibration section of the User Manual.
	The left and right control sticks not properly aligned	Push the left and right joysticks simultaneously to 5 o'clock and 7 o'clock for 2 seconds. Alternatively, you can use the remote controller or the app to activate the one-key unlock and takeoff feature.
Unstable flight	Flying too low, affected by aircraft airflow	Please fly the aircraft above 9.84ft(3 meters).
	Environmental disturbances cause aircraft data abnormal	Place the aircraft on a horizontal surface and conduct gyroscope/level calibration. Please refer to the User Manual for detailed instructions on the gyroscope/horizontal calibration section.
	The propellers become deformed and incomplete	Replace the propellers with new ones.
	GPS signal is unstable. Flying near buildings and in obstructed places	Please fly the aircraft in an open area free of obstacles within the circle of radius 32.81 ft(10 meters).
Not flying far, bouncing back after flying a distance	Beginner mode or first-level low battery is active, limiting flight to 30 meters in height and distance.	Enter the App setting interface, turn off the beginner mode to set the flight distance and altitude, and save the settings.
Aircraft flying in the opposite direction or mismatched to the remote controller	Incorrect aircraft placement during takeoff	Before takeoff, position the camera facing forward and the tail towards the pilot.
Out of control, spinning around on its own, abnormal noise	The remote controller signal is interfered or the aircraft exceeds the range of remote control	Please fly the aircraft outdoors without interference, and ensure that it is within a controllable range.
	Compass interference	Please manually land the aircraft in time and calibrate the compass. Please make sure to fly away from the buildings, trees, power lines, and signal towers.
	The propellers become deformed and incomplete	Replace the propellers with new ones.

Problems	Reason	Solutions
Gimbal not functioning	The aircraft takes off in the grassland, and the gimbal touches the grassland and fails the self-test	Add aprons or cardboard pads to pad the aircraft to avoid the gimbal bumping into foreign objects.
	Aircrafts takes off in areas with high vibration sources.	Keep away from vibrations and use in a vibration-free area.
	The aircraft's gimbal is interfered with by external human force, or the aircraft is picked up during the calibration process	Gimbal self-test time typically lasts about 40 seconds, avoid touching during calibration.
	The aircraft has entered into the compass calibration	During the calibration period, the gimbal is inactive. Once calibration is complete, place the drone on a level surface and it will automatically calibrate itself.
Video freezing, short image transmission range	Image transmission signal interference	Please make sure to fly away from the buildings, trees, power lines, and signal towers.
	The remote controller and the mobile phone are not pointed at the direction of the aircraft	Adjust the remote controller and the flying direction of the aircraft, ensuring the strongest signal connection is maintained
	Phone performance freezes	Close unused apps running in the background to maintain the best performance of the phone
App does not display the interface	The phone is not connected to the aircraft	Connect your mobile phone to the remote controller with the data cable.
	The data cable is not securely installed	Some phones come with a phone case resulting in abnormal installation of the data cable, which can be attempted by removing the phone case.
	USB permissions set incorrectly	After successful pairing, the USB permission setting will pop up after connecting the phone and remote controller cable, please set it correctly.
	The aircraft did not pair with the remote controller	It takes about 20 seconds for the aircraft to start pairing with the remote controller, and the aircraft screen will be displayed only after the pairing is successful.
App crashing or malfunctioning	Downloaded the wrong APP	Download the right APP.
	Phone version is too old and not compatible with the App	Give us your mobile phone version model and we will give you a corresponding solution
Weak GPS signal	Turning on the aircraft indoors	GPS signals cannot be found indoors. Please search for GPS signals in an open place outdoors.
	Under the tree, next to the building, in an obstructed place	Please stay away from obstacles for more than 32.81 feet(10 meters), and search for GPS signals in an open area

Problems	Reason	Solutions
Unable to return home, drifting away	Turned off the GPS signal and switched to indoor flight mode	Don't turn off GPS during outdoor flights, and make sure to promptly switch back to GPS mode
	Flying near buildings or under trees can obstruct GPS signals, leading to loss or instability of GPS	Fly away from buildings or sheltered areas
Long pairing time for the aircraft and remote controller	It takes about 20 seconds to match the remote controller to the aircraft	Please be patient and wait for the auto-pairing to be completed.
Unable to charge or not charging fully	Using inferior charger or charging on the computer with unstable voltage output	Use high-quality charging connectors and cables.
	Using inferior charging cables	Please use the original factory charging cable to charge.
Short battery life	Flying in windy weather	Flying in windy weather will accelerate power loss
	The battery is not fully charged	Please use a correct charger, and fully charge the battery
	Flying in sport extreme speed	Depending on personal operating preferences, using the sport speed for flight can impact the battery life
	Flying in cold weather	In low-temperatures, the chemical reaction of the lithium battery is slowed down and the energy cannot be fully released.
Product has slight marks	We tested all aircraft before shipping	In order to give you the best experience, we tested functions of all aircraft before shipping. Therefore, it is inevitable that there will be slight traces. However, it can be guaranteed that all aircraft are 100% brand new

This User Manual is subject to updates without notice.

For the latest version of the User Manual, please visit the official Bwine website.

www.bwine.net

If you have any questions or suggestions about the User Manual, please contact us via the following email:

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FCC STATEMENT

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 to this unit 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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement in portable exposure condition without restriction.


Radiation Exposure Statement

To maintain compliance with FCC ' s RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.



Grasp Fun, Enjoy Life.

CONTACT US FOR MORE TECH SUPPORT

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