CiVORC

14+ AGES

USER MANUAL

S5 RC Drone

1.0 DISCLAIMER AND SAFETY GUIDELINES

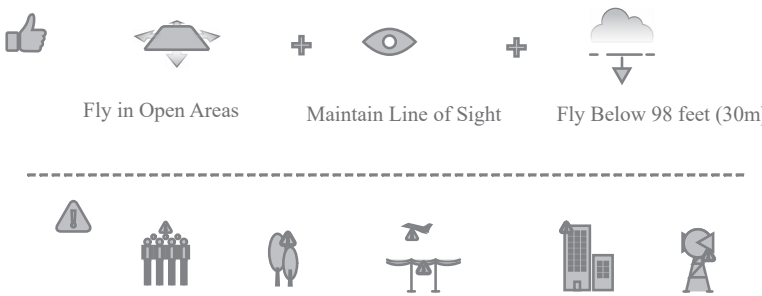
① DO NOT look directly into the drone light.
② DO NOT treat the product as household waste.
③ DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.
④ DO NOT use the drone in severe weather conditions. These include wind, snow, rain, smog, hail, lightning, tornadoes or hurricanes.
⑤ Stay away from the rotating propellers and motors to avoid some tiny objects (e.g. hair) to get into them.
⑥ This drone does not come with GPS module. Please fly the drone within the control range.
⑦ Be sure to observe all local regulations, obtain appropriate authorizations and understand risks. Please note it is solely your responsibility to comply with all flight regulations.

2.0 SAFETY GUIDELINES

2.1 Check Before Use.

① This product is a high precision drone that integrates various electronic stability and control mechanisms. Please be sure to configure this drone carefully and correctly to ensure safe, accident-free operation.
② Ensure that the batteries of the drone and transmitter are clean, undamaged and fully charged before every use.
③ Ensure that all the propellers are undamaged and are installed in the correct orientation.
④ Ensure to do a thorough check of the product before each use. Inspect the integrity of the parts, any signs of cracks and wear of the propeller, battery power and effectiveness of the indicator, etc. If after doing a complete check of the drone any problem are found, please refrain from using it until the problem has been resolved.

2.2 Flight Environment



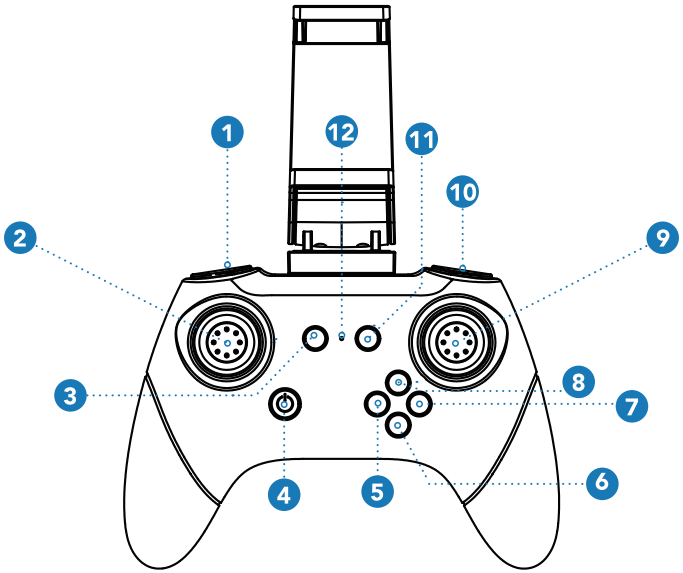
Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airports or bodies of water.
DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.

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

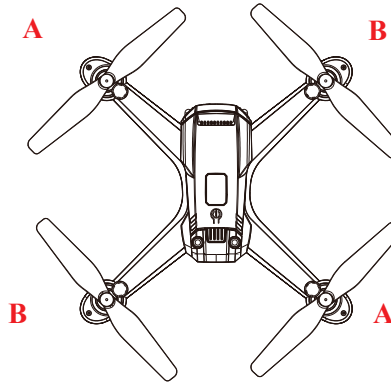
3.0 PRODUCT OVERVIEW

3.1 Transmitter

1. Speed / Surrounding
2. Left Control Stick (Asend / Descend, Turn Left / Right)
3. One Key Take Off / Landing (Emergency Stop)
4. ON / OFF
5. Trim Left
6. Trim Backward
7. Trim Right
8. Trim Forward
9. Right Control Stick (Forward / Backward / Left / Right)
10. 360° Flip / Headless Mode
11. Photo / Video
12. LED Power ON



3.2 Propellers

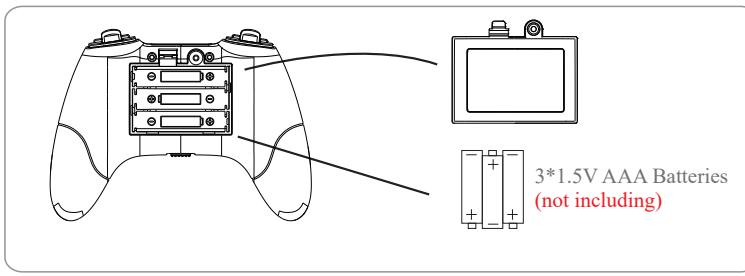


Connect each propeller to its corresponding motor shaft, either position ‘A/B’, then lock the propeller to the motor shaft with a screw.

⚠ Pay attention to the 'A' or 'B' printed on each propeller. The drone will not fly unless the correct propeller is installed on the correct motor shaft.

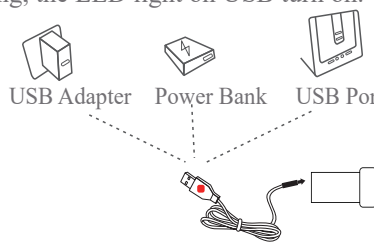
4.0 FLIGHT PREPARATION

4.1 Install the remote batteries.



4.2 Charge the battery of the drone.

Remove the drone’s battery and connect it to the mains charger with a micro USB cable. During charging, the LED light on USB turn on. While fully charged, the LED light turn off.



Tips:
① For your safety, please use the original battery and USB cable.
② If use fast charge, the electric current may increase sharply and the rubber part may melt.
③ Plug the USB charging cable into a USB charging port on the computer, power bank or USB adapter.
④ Free the battery of any sharp objects that could puncture into the battery to avoid risks of explosions and fire.
⑤ There is continuous beeping sound from the remote when the battery of the remote is low.
⑥ The LED on the drone will flash quickly when the battery of the drone is low. About 30 seconds, the drone will land automatically.
⑦ To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time.

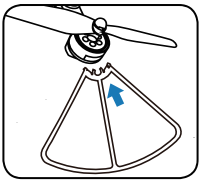
4.3 Install the Drone battery.

4.3.1 Ensure that the battery is fully charged.
4.3.2 Insert the battery into the rear of the drone in the right direction (the tab on the battery should be facing down.)
4.3.3 Slide the battery all the way in, until it securely slots into place.

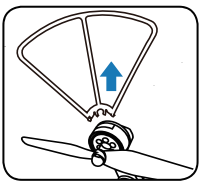
4.4 Install Rotor Guards.

Installing the rotor guards is optional, however installing them will protect your rotor blades and motors against bumps and light crashes.

1. To install the rotor guards, please insert the rotor guard pegs into the designated holes near the motors on the Drone's arms.



2. To remove the rotor guard, please hold the rotor first, then remove the rotor guard.

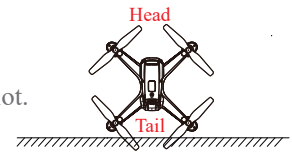


5.0 FLIGHT OPERATION GUIDE

5.1 Pairing

① Long press the power switch to turn on the drone, the indicator light of the drone will keep flashing.

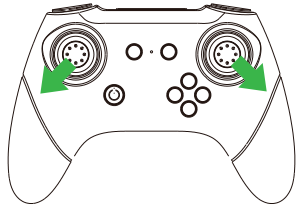
② Place the drone on a flat and level surface with the head forward and the tail facing towards the pilot.



③ Turn on the transmitter, and you will hear the '**Di**' sound, then the indicator lights keep flashing.

④ Push the throttle joystick up then down to pair the drone with the transmitter. The indicator light on the drone will turn solid if the drone is paired successfully.

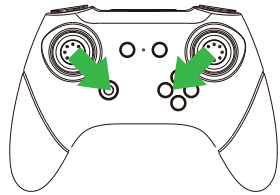
5.2 Calibrate the Gyro



Move the Left Control Stick to lower left in 45° and the Right Control Stick to lower right in 45° at the same time as picture shows, the indicator light on drone will blink and turn solid that indicates the calibration is completed.

⚠ To ensure a stable flight, we suggest that the pilot calibrates the gyro every time after pairing the drone and after a crash.

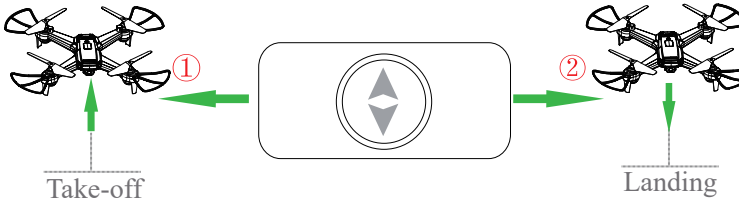
5.3 Unlocking / Locking the motors



Unlocking the motors: As the show above, Push two levers down to 45° at the same time until four rotor blades start rotating.

Locking the motors: Repeat this operation, the motors will stop immediately.

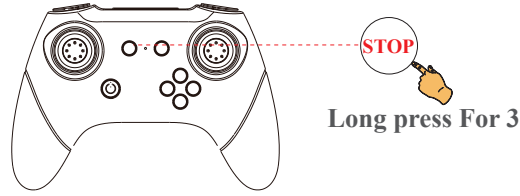
5.4 One key take-off / Landing



① After pairing/calibration, press the One Key Take-Off button, the drone will take off automatically and hover at 5 feet altitude.
② When the drone is flying, press the One Key Landing button again, the drone will land on the ground automatically.

5.5 Emergency Stop

⚠ The Emergency Stop function should only be used in case of emergency during the flight to avoid any of damage or injury.

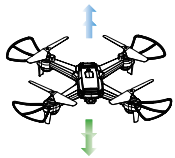


As shown above, long press the Emergency Stop button for 3 seconds, the drone will fall rapidly.

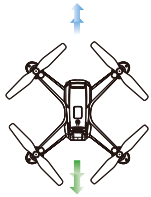
Attention: Be aware that you risk breakage of the drone if it falls a large distance or hits anything at a high rate of speed.

5.6 Instructions of the Remote

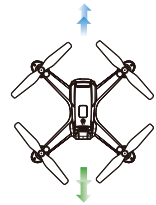
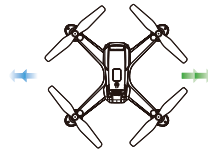
5.6.1 Left Control Stick

Ascend / descend		Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.
Rotate Left / Rotate Right		Push the Left Control Stick leftward and the drone will rotate to the left; pull it rightward and the drone will rotate to the right.

5.6.2 Right Control Stick

Forward / Backward		Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.
Leftward / Rightward		Push the Right Control Stick leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.

5.6.3 Flight Trimming

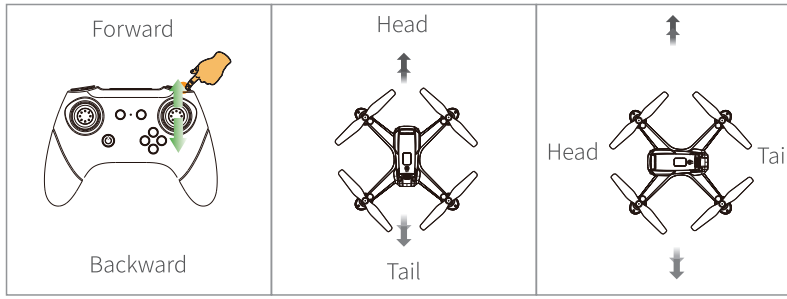
		If the drone drift forward or backward when hovering, press the Backward Trim button or the Forward Trim button to adjust.
		If the drone drift leftward or rightward when hovering, press the Rightward Trim button or the Leftward Trim button to adjust.

5.7 Altitude Hold / Hover

This is one of the default setting in the drone. When you release the Left Control Stick after the ascending/descending action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

5.8 Headless Mode

Long press the Headless button to activate the function. In this mode, the drone will fly following the direction of the Right Control Stick regardless of the position of your drone's head or the tail. The LED on the drone will flash and there is beeping sound from the remote. Press the same button again to exit this mode.



Standard Mode Headless Mode

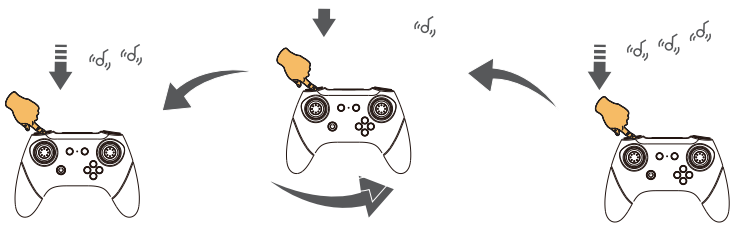
5.9 360° Flip

After flying the drone to a height over 2 meters, press down the flip button to activate 360° flip function. Then move the Right Control Stick forward/backward/leftward/rightward to flip the drone accordingly.

⚠This function can't be activated when the battery of the drone is low.

5.10 Speed Switch

The drone is set to low speed by default. Press the Speed button down once for medium speed and there are two beeps from the remote. Press it down again for high speed and there are three beeps from the remote. A third press will get back to low speed and there is one beep from the remote.

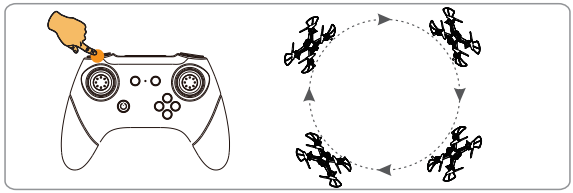


Speed	mph	km/h	m/s
Low	1-3	1-5	0.3-1.5
Mid	4-7	6-11	1.6-3.3
High	8-12	12-19	3.4-5.4

⚠ When you fly in high wind, please use the high speed to control your drone.

5.11 One Key Surrounding

Ensure that there are no obstacles within a radius of 5 meters around the drone. Long press the surrounding button, and the drone will fly in circles. Long press the button again to exit this mode.



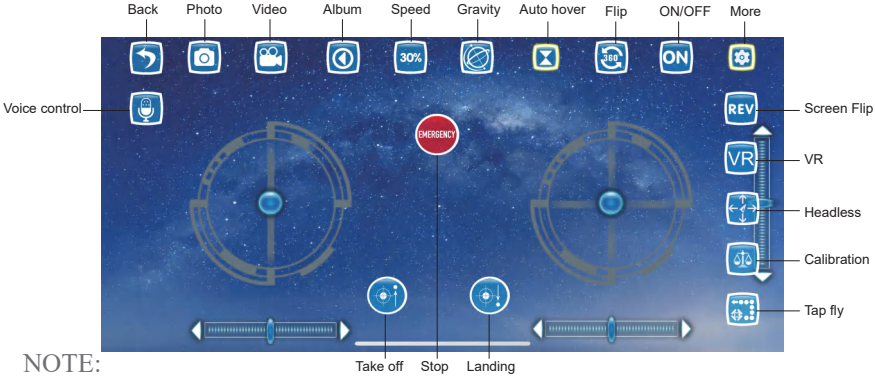
5.12 App Operation Guide

① Download and install **GX-FPV** into your mobile device from **App Store** / **Google Play** or scan the QR code below.

Android IOS

② Turn on the drone first, go to the WIFI settings of your mobile device and connect to the wifi **DRONE_S5_*****

③ Open **GX-FPV** App. Tap **Start** for video viewing surface.



NOTE:

① If you want to fly the drone with the controller, then turn on the drone and controller for pairing together first.

② To fly the drone with App, pair the drone with the app first, then you can use the smart phone to control the drone flying.

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.