

USER MANUAL



! Caution:

- While the aircraft is in GPS mode during the flight, if it goes out of view or if you're concerned about losing it, please turn off the switch on the remote controller (or press the "one-key return" button for 3 seconds) and wait for the aircraft to return to the take-off point.
- Mobile version requirements: Android 9.0 or higher / iOS 5.0.1 or higher.

Preface:

Thank you for purchasing this product. In order to enhance your ease and convenience in using this aircraft, please carefully read this manual before operating it. Additionally, please ensure that you keep this manual for future reference regarding adjustments and maintenance.

Important statement:

1. This product is not a toy, but a precision equipment that integrates mechanical, electronic, aerodynamic, high-frequency emission, and other professional knowledge. It must be assembled and calibrated correctly to prevent accidents. The product owner must operate the controls safely, as improper operation can result in severe personal injury or property damage.
2. This product is intended for individuals with experience in operating model aircraft and who are at least 14 years old.
3. For any inquiries or concerns regarding usage, operation, maintenance, or other issues, please reach out to your local distributor or the appropriate personnel in our company.

Safety precautions:

The remote-controlled model aircraft must be flown at a safe distance from crowds. Improper assembly, damage to the airframe, inadequate electronic control, and lack of familiarity with the operation may result in unforeseen accidents, such as aircraft damage or personal injury. The operator must prioritize flight safety and acknowledge the responsibilities arising from their own negligence.

1. Keep away from obstacles and people.

The remote-controlled aircraft operates at variable speeds and can pose potential risks. It is crucial to keep a safe distance from crowds, high-rise buildings, high-voltage wires, and other obstacles. Additionally, flying in severe weather conditions like strong winds, rain, or lightning should be avoided to ensure the safety of pilots, bystanders, and property.

2. Avoid Damp Conditions

Due to the presence of delicate electronic components and mechanical parts within the aircraft, it is essential to prevent moisture or water from entering the aircraft body. This precaution helps prevent accidents caused by failures in mechanical and electronic components.

3. Use Original Parts

To ensure flight safety and proper use of this product, always use original parts for any modifications or maintenance. Please operate and use the product within the defined scope of its functions and refrain from engaging in any illegal activities that violate safety laws.

4. Seek Guidance and Avoid Solo Operation

In the early stages of learning remote-controlled aircraft operation skills, it is recommended to seek the guidance of experienced individuals and avoid flying alone whenever possible. This helps in acquiring the necessary skills and knowledge for safe operation.

5. Prioritize Safe Operation

Operate the remote-controlled aircraft according to your personal condition and flying skills.

Fatigue, low energy levels, or improper operation can significantly increase the risk of accidents.

6. Maintain Distance from High-Speed Rotating Parts

When the aircraft's rotor is rotating at high speed, ensure that the pilot, bystanders, and objects are kept at a safe distance from the rotating parts to prevent any potential danger or damage.

7. Keep Away from Heat

The remote-controlled aircraft is constructed with various materials such as metal, fiber, plastic, and electronic components. Therefore, it is advisable to keep the aircraft away from heat sources, avoid direct sun exposure, and prevent deformation and damage caused by high temperatures.

Warning

1. The packaging and instructions contain important information that should be retained.
2. It is your responsibility to ensure that this aircraft does not cause harm to other people or their property.
3. Strictly follow the operating instructions for debugging and installation when operating the aircraft. Maintain a distance of 1-2 meters from the user or other people during flight to prevent any contact that could cause injury to their heads, faces, or bodies during flight or landing.
4. Our company and the seller are not liable for any loss or damage resulting from improper use or operation, as well as any injuries to individuals.
5. Children should be supervised by adults when operating the aircraft. This product is not suitable for children under 14 years old.
6. Please install and use the aircraft correctly according to the instructions or package instructions. Some parts may require assembly by adults.
7. The product contains small parts. Keep them out of reach of children to prevent accidental ingestion or suffocation.
8. Playing on roads or in areas with water is strictly prohibited to avoid accidents.
9. Promptly dispose of packaging materials to prevent harm to children.
10. Do not disassemble or modify the aircraft. Disassembly or modification may cause the aircraft to malfunction.
11. Insert the battery of the battery box charger into the designated power supply with the matching product mark.
12. Use only the original USB charging cable.
13. The charging cable is not a toy.
14. When charging the battery, adult supervision is required. Keep the battery away from flammable materials during charging. The guardian should not leave the model airplane unattended while charging.
15. Avoid short-circuiting or squeezing the battery to prevent explosions.
16. Do not mix different types of lithium batteries.
17. The aircraft is equipped with a 7.6V intelligent lithium battery, which can be charged when plugged in or out.
18. Avoid short-circuiting, disassembling, or throwing the battery into fire. Do not place the battery in high-temperature or heat sources such as fire or near electric heating devices.
19. Keep the aircraft away from other electrical equipment and magnetic objects as they may interfere with each other.
20. Maintain a safe distance from the propeller, which rotates at high speed, to avoid the risk of entanglement or cuts.
21. The motor is a heating component. Avoid touching it to prevent burns.
22. The light-emitting diode has laser radiation but does not emit a direct beam.
23. Do not use the model near the ear as misuse may cause hearing damage.
24. Comply with the requirements for maintaining the magnetic environment of aeronautical radio stations. Stop the use of the model's remote-controller as required during periods when the relevant national authorities issue radio control orders.

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1. Using This Manual

1.1 Read Before the First Flight

It is highly recommended to watch all tutorial videos and thoroughly read the User Manual before using the aircraft for the first time. To prepare for the initial flight, please review the Quick Start Guide provided and refer to this User Manual for detailed information and instructions.

1.2 Safe Flight Guidelines



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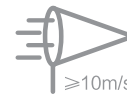
Fly in a spacious and open area.

Ensure a stable and strong GPS signal.

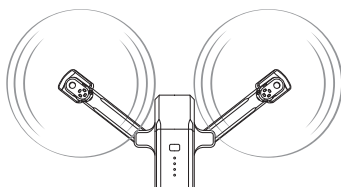
Always maintain a visual line of sight with the aircraft.



Avoid flying over or in close proximity to people, trees, high-voltage power lines, buildings, airports, or bodies of water. Additionally, stay clear of high-intensity power lines or base stations as they can interfere with the aircraft's compass.



Refrain from using this product in unfavorable weather conditions such as rain, snow, fog, or wind speeds exceeding 5 m/s or 22 mph.



Adhere to no-fly zones and restrictions as specified by applicable regulations

Keep a safe distance from rotating propellers and motors to prevent accidents.



Understanding safety guidelines is very important for safe flight. Please read the safety instructions carefully before flying.

1.3 Video Tutorials

Scan the QR code provided to access the tutorial videos, which will guide you in using the product correctly and safely.



1.4 Download the GLORALE GO App

Make sure to use the GLORALE GO app during flight. Scan the QR code on the right to download the latest version of the app. GLORALE GO supports Android 9.0 or higher and iOS 5.0.1 or higher.



2. Quick Start Guide

After completing the installation preparations, please proceed with flight training or practice as a first step. It is recommended to conduct the training in beginner mode. When flying, make sure to select a suitable flight environment. The flying altitude should not exceed 393 feet, and it is crucial to strictly adhere to local laws and regulations. Prior to flying, please ensure that you read and understand the disclaimer and safety summary, and familiarize yourself with the safety precautions.

2.1 Flight environment requirements

- Avoid flying in severe weather conditions such as strong winds, snow, rain, and fog.
- Select an open area with no obstructions nearby as your flying field. Buildings, mountains, and trees can interfere with the compass and GPS signals of the aircraft. It is recommended to fly in an open space with a diameter of at least 32 feet to minimize interference. Maintain a flight altitude of at least 49 feet to avoid ground obstacles and signal interference.
- Keep the aircraft within your line of sight and maintain control. Steer clear of obstacles and crowded areas while flying. When flying over water, maintain a minimum distance of 9 feet above the water surface.
- Be aware that the remote control may experience interference from high-voltage lines, communication base stations, or transmission towers. Fly away from these areas.
- Ensure that you fly below an altitude of 6561 feet above sea level to ensure proper functioning of the aircraft's air pressure settings.
- Active GPS enables stable hovering, intelligent return home, and intelligent flight functions. In the event of GPS failure, these functions will not be available, and the aircraft may drift in the direction of the wind.

2.2 Pre-flight checklist

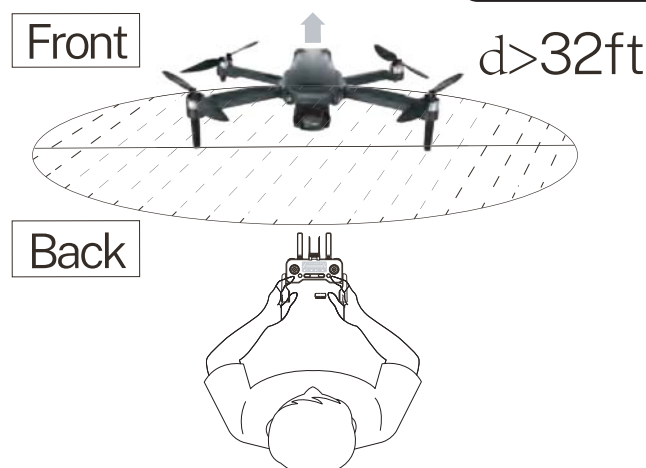
- Ensure that the remote control, intelligent flight battery, and mobile device are fully charged before flying.
- Verify that the aircraft arms are fully extended and securely locked. Confirm that the battery compartment cover is tightly fastened, and the intelligent flight battery is installed correctly.
- Inspect the propellers for any damage, aging, deformation, or foreign objects entangled in the m. Make sure they are securely attached.
- Turn on the GPS function to avoid signal loss during flight. Fly the drone outdoors in an open space.
- After powering on, check if all four motors start up properly and ensure that their rotation speeds are consistent.
- Establish a connection between the drone's WiFi and your mobile device. Make sure you have successfully connected to the WiFi network named "Glorale_X38_XXXXXX" after granting the necessary app access and internet permissions on your phone.
- Ensure that the camera lens is clean and free from any obstructions.
- When replacing parts, always use original components. The use of non-original accessories may jeopardize the safe operation of the aircraft.

2.3 Take off the aircraft

In order to prevent accidents resulting from inaccurate GPS signals during flight, the aircraft must undergo a series of calibration steps before taking off.

Step 1: Pair the aircraft with the remote control and mobile phone.

- ① Begin by removing the gimbal cover and unfolding the four arms of the aircraft. Place it on a level surface, ensuring the nose is facing forward and the tail is facing the pilot.



Find an open space with a diameter of 32 feet, free from any potential interference.

- ② Briefly press the power switch and then hold it down to turn on the drone. The motor light will illuminate, and you will hear two beeping sounds, indicating that the aircraft is now powered on.
- ③ Switch on the power button located on the remote control, allowing the drone to automatically establish a connection with the remote control.
- ④ Connect your mobile phone to the aircraft's WiFi network (name: Glorale_X38_XXXXXX) and open the app to access the control interface.

Once the phone is connected to the aircraft's WiFi (named Glorale_X38_XXXXXX) and the aircraft's WiFi has no network access, please wait for approximately 10 to 40 seconds on the phone's WiFi settings page. At this point, the phone will display a network settings option, prompting you to choose whether to continue connecting to the aircraft's WiFi. To ensure that the app can access the image transmission screen, please select the option to continue using the aircraft's WiFi.

Step 2: Compass calibration

Method 1: Calibrate via remote control

To initiate the compass calibration process, press the compass calibration button. As a result, the drone's front and rear lights will begin to flash. Follow the steps below:

- ① Rotate the aircraft horizontally in a clockwise direction for three complete turns. After completing the three turns, the remote control will emit a single beep, and the front lights of the drone will flash while the rear lights stay illuminated. This signifies the successful completion of the horizontal calibration process.
- ② Proceed to rotate the aircraft with its nose facing downward in a clockwise direction for another three complete turns. During this rotation, the remote control will emit a single beep, and the drone's lights will remain illuminated. This indicates that the compass calibration process has been completed.

Method 2: Calibrate via phone app

- ① Launch the GLORALE GO app and navigate to the homepage. Select "GO TO FLY," then go to "Settings," followed by "Calibrate," and finally choose "Compass Calibration."
- ② Tap on the Compass Calibration icon and carefully follow the on-screen prompts to successfully complete the calibration process.



- The compass calibration of the aircraft must be performed each time it is powered on before takeoff. After turning on the aircraft, you can proceed with the compass calibration.
- If the aircraft is flying in a circular pattern or exhibiting erratic behavior in a complex environment, it indicates that the compass calibration of the aircraft is either incorrect or experiencing interference. In such cases, please manually land the aircraft and perform the compass calibration manually (refer to the compass calibration steps).
- During the calibration process, please ensure that the aircraft's arms are kept open to minimize the influence of the motor's magnetic field.

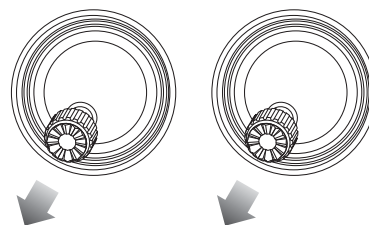
Step 3: After calibration, the drone enters the satellite search state.

- ① The satellite icon and the number of satellites on the remote-control screen will flash, while the front and rear lights of the drone will also flash, indicating that it is in the process of searching for satellites.
- ② After a short while, the remote control will emit a single beep sound, and the lights on the drone will remain illuminated. Simultaneously, the satellite icon and the number of satellites will stop flashing, indicating the completion of the satellite search process. Please note that this process may take approximately 2-5 minutes.



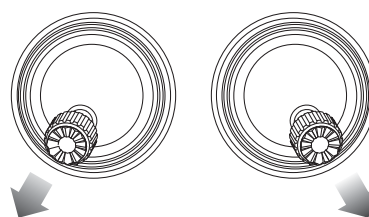
- The aircraft must conduct a satellite search in a spacious outdoor environment.
- The aircraft can only take off once the satellite search is successfully completed.
- Please ensure that you fly the aircraft in an open area without any obstacles, maintaining a radius of 3281 feet (10 meters) around it.

Step 4: Simultaneously move both joysticks to the 7 o'clock position to initiate gyroscope calibration. The drone lights will briefly flash and then stay illuminated, indicating the completion of the calibration process.



- If the aircraft's flight state appears tilted and unstable, please land the aircraft on a level surface to perform gyroscope/horizontal calibration.

Step 5: Push the left joystick to the 7 o'clock position and the right joystick to the 5 o'clock position to unlock the drone. Push the left joystick up to take off.



2.4 Cancel the motor unlock

- ① Pull down the left joystick on the remote control until the motors come to a halt.
- ② After the motors are unlocked, they will automatically cease operation if there is no further input for 20 seconds.

2.5 Shut Down the Drone

- ① Gradually pull down the throttle stick to descend the aircraft.
- ② Once the drone has landed, pull the throttle stick to its lowest position and maintain it there until the motors come to a complete stop.
- ③ Briefly press the power switch and then hold it down to turn off the drone. Power off remote control in sequence after the shutdown process is completed.

2.6 Aerial Photography Tips and Tricks

To ensure successful aerial photography, take into account the following tips and tricks:

- Before taking off, conduct a thorough inspection of both the drone and camera equipment.
- Opt for low-speed or medium-speed flight modes to enhance stability when capturing photos or videos.
- Select sunny weather conditions with minimal wind for optimal shooting conditions.
- Refrain from making abrupt stick movements during the flight to maintain smooth and steady aircraft motion.



- Always prioritize flight safety for yourself, those around you, and the environment. It is crucial to read the user manual thoroughly to guarantee a safe and enjoyable flying experience.

3. Product Profile

3.1 Product List



User Manual x1



Aircraft x1



USB charging cable x1



Remote control x1



Lithium battery x1



Forward and reverse propellers x4



Cross screwdriver x1

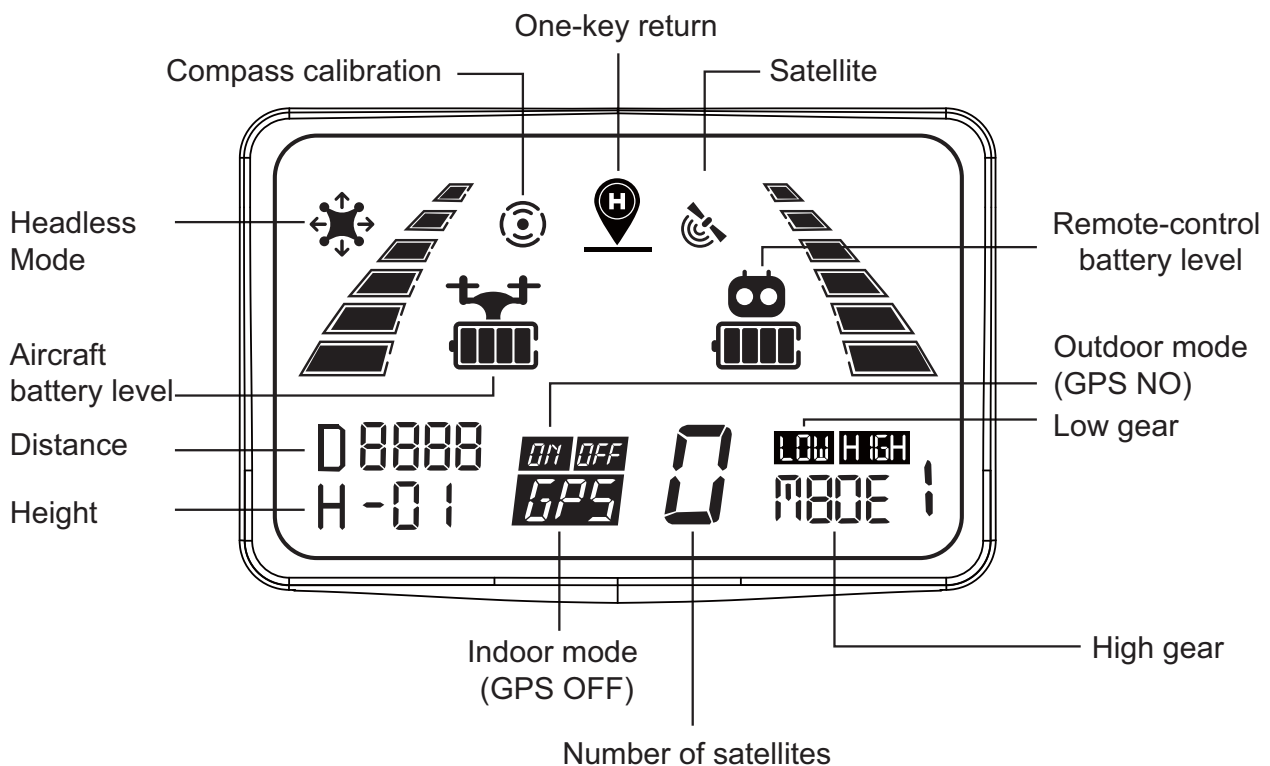
3.2 Aircraft



Check battery level: press once.
Power on/off: press briefly , then press and hold.


3.3 Remote-control Function Instructions





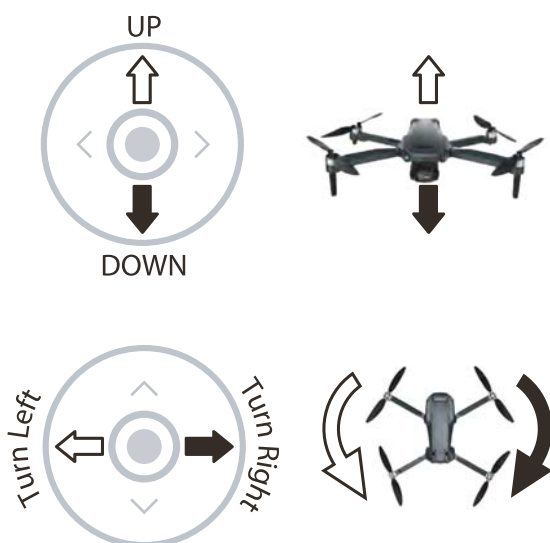
Caution: Before taking off, please ensure that the drone is in outdoor mode to avoid the risk of losing the aircraft.



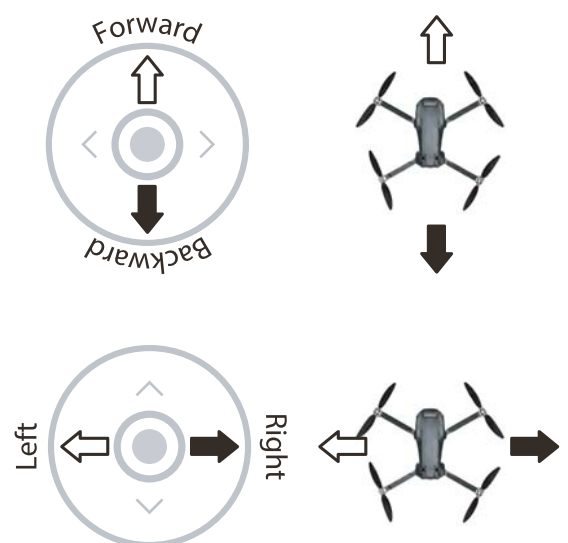
When this icon  flashes on the display, it indicates that the compass calibration of the aircraft is required.

3.4 Basic Flight Operations

Left Joystick



Right Joystick



3.5 Aircraft battery charging operation

! Please ensure that you use the original USB cable for charging.

How to insert the battery:

Refer to the accompanying picture for guidance on correctly inserting the battery.

① Insert the Intelligent Flight Battery into the battery compartment and push it downward until you hear a click sound from the battery buckle, indicating that it is securely locked.



Verify that the battery is correctly positioned.

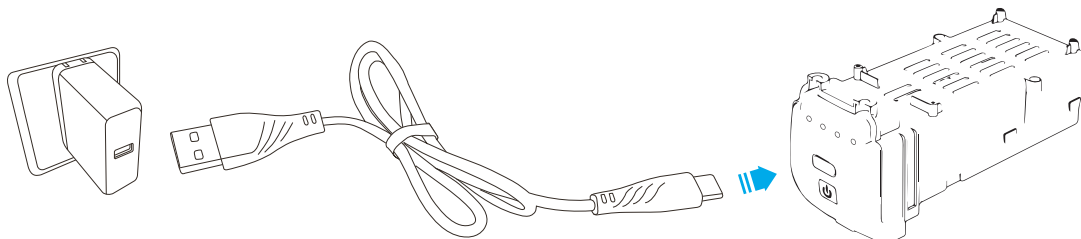
② To remove the battery, press the buckles located beneath the battery and carefully pull it out of the compartment.

Charging the Battery

Before using the Intelligent Flight Battery, ensure that it is fully charged.

While charging, the battery power indicator will flash, indicating the current charge level. When the fourth indicator light remains lit, it signifies that the charging process is complete. The approximate charging time is 5-7 hours.

After charging is complete, please promptly disconnect the charger.



✓
USB Adapter
(not included)

Charging Time: About 5-7 Hours
(Depending On Charging Adapter)

Caution:

When inserting the lithium battery into the aircraft, please ensure that you insert it in the correct direction. Do not blindly plug in the battery. After use, allow the battery to cool before charging to prolong its service life.

Do not install or remove the battery from the aircraft while the battery power is turned on. Doing so may result in poor contact of the battery interface, which can cause a short circuit and potentially damage the aircraft. Always install or remove the battery with the battery power turned off.

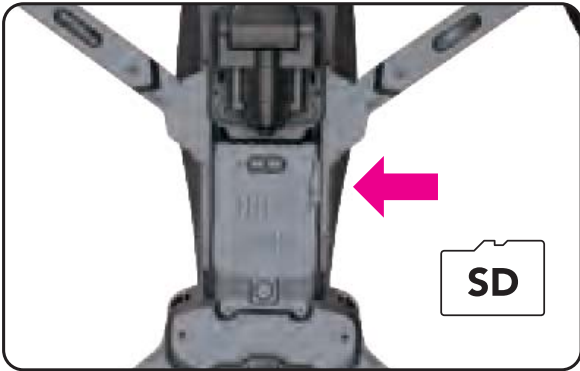
3.6 Memory card installation

(memory card needs to be purchased separately)

To insert a memory card:

The slot for the memory card is located at the bottom of the fuselage. Remove the memory card from its packaging and insert it with the magnetic sheet facing downward. Carefully insert the card until it is securely in place.

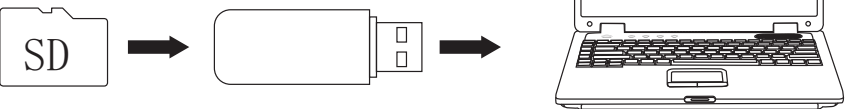
To remove the memory card:
Gently press the memory card until you hear a click sound, indicating that the memory card has been released. Then, carefully remove the memory card.



Caution:

When using the "GLORALE GO" app, the original pictures and videos captured by the camera will be compressed and saved on your phone. For clearer pictures and videos, you can insert a memory card for high-quality storage.




SD card (needs to purchase separately)



The original pictures and videos captured by the camera will be saved on the Micro SD card. To access the data on the Micro SD card, insert the card into a card reader and connect it to the USB interface on your computer. You can then view the captured pictures and videos using the media viewer on the app.

3.7 Propellers

The propellers on the adjacent motors of the aircraft are composed of both forward and reverse propellers. The two propellers on the same motor are labelled as A and B, respectively. These propellers are identical in design.

| Propellers | Mark A | Mark B |
|--|---|--|
|  Installation location |  Installed to the motor with A mark on the arm |  Installed to the motor with B mark on the arm |

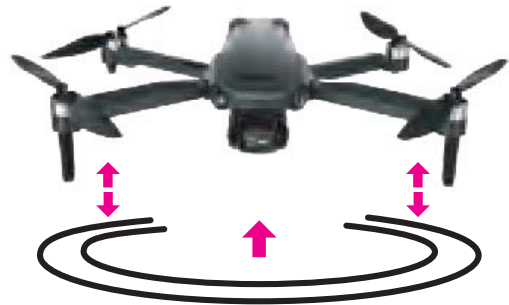
Attaching the Propellers

Considering the camera direction as the front, it is important to note that the right front arm and left rear arm should be equipped with propellers marked with A, while the left front arm and right rear arm should be equipped with propellers marked with B. To ensure proper installation, please use a screwdriver and make sure to tighten the screws securely.

- Please use the propellers provided by the original company and avoid mixing propellers of different types.
- Before each flight, ensure that the propeller is installed correctly and securely.
- Prior to every flight, carefully inspect the propellers to ensure they are in good condition.

3.8 Height-fixing function

To initiate takeoff, push the throttle stick of the remote controller upward. The aircraft will ascend into the air. Once the aircraft is airborne, release the throttle stick, and it will maintain a smooth flight at a predetermined height.



3.9 GPS Return

The GPS Return (RTH) function enables the aircraft to return to its original departure point. This feature can only be activated when the aircraft is in GPS mode.

The aircraft offers three types of return (RTH) options: GPS return, low power return, and signal return.

① GPS return

To activate the GPS Return function, press the button on the remote control for 3 seconds or use the key on the mobile app interface. The remote control will emit a



One key to return

"beep" sound, indicating the activation. The aircraft will autonomously return to the vertical sky above its take-off point and then gradually descend to the designated spot. To stop the return flight, press the button again, and use the throttle lever to safely lower the aircraft to the ground.

② Return at low power

When the battery power is low, the low power return function will be triggered. Activating this function will cause the aircraft to fly back to a position approximately 30 meters away from the operator. Despite the return, the operator can still control and operate the aircraft. To land the aircraft in a safe location, use the throttle lever to descend. If the battery is completely drained, the aircraft will automatically return to the pre-set take-off point.

(Caution: Do not push the directional stick forward during low power return as it will invalidate the return flight, potentially resulting in the loss of the aircraft.)

③ Return without signal:

In the event of a lost connection between the aircraft and the remote controller, the aircraft will automatically enter the return mode. It will autonomously return to a position approximately 30 meters away from the operator while attempting to reconnect with the remote control. Once the reconnection is established, the operator can resume controlling the aircraft.



Caution: The return mode of this aircraft does not include obstacle avoidance functionality.

3.10 Indoor or Outdoor Mode

To switch between indoor and outdoor modes, press and hold the button.

Indoor mode: GPS off

Outdoor mode: GPS on

When flying outdoors, it is recommended to switch to the outdoor mode and activate the GPS. This allows for more precise positioning and navigation,

which is especially important for outdoor flights where visual line-of-sight may be limited. With GPS enabled, the drone can maintain a stable hover, fly to specific locations, and automatically return home when needed. However, it's important to note that if the GPS function fails, these features will be unavailable. Consequently, the drone will be unable to hover and may drift away with the wind.

Another advantage of activating GPS is the ability to use advanced flight modes such as "Follow Me" or "Fly Around," which are especially valuable for aerial photography or videography purposes. Disabling GPS will result in the loss of these functionalities.



Indoor and outdoor mode switching

3.11 Headless Mode

During takeoff, it is crucial to ensure that the remote controller is facing the tail of the drone. Once the takeoff is successfully executed, press the "Headless Mode" button on the remote controller to activate the Headless Mode. This action is accompanied by a brief sound from the remote controller's buzzer, and the headless mode icon is displayed on the remote control screen. To exit the Headless Mode, simply press the "Headless Mode" button again.



Headless Mode

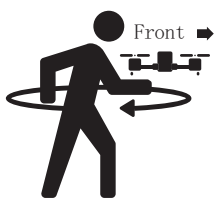
Note: Whenever the direction of the remote controller changes, it is necessary to recalibrate the drone to maintain accurate control.

3.12 Compass calibration



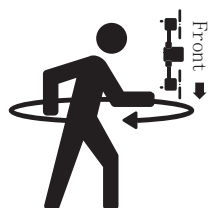
Compass calibration - Part 1

- To initiate compass calibration, press and hold the compass calibration button on the remote control for 3 seconds. As a result, the front and rear lights of the aircraft will begin to flash.



Compass calibration - Part 2


- Pick it up horizontally from the tail of the aircraft and make a complete 2-3 turn (360°) with your body.
- After the front lights will flash while the rear lights stay illuminated and you hear a "beep", it means that the X-axis calibration is complete.



Compass calibration - Part 3

- Pick up the aircraft from the bottom, with the front of the aircraft facing down, and make 2-3 complete turns (360°) with your body.
- The front and rear lights are always on and flashing alternately, and a "beep" sound is heard.
- Compass calibration is successful.

3.13 Photograph

— To capture a picture, simply tap the button  on the remote control or click the button on the app interface. As a result, the red indicator light on the camera will flash once, indicating that a picture has been taken.



3.14 Video recording

To start recording, tap the button on the remote control once or click the button on the app interface. The red indicator light on the camera will begin to flash, indicating that the camera is now recording. Additionally, the app interface will display the recording time in sync with the ongoing recording.



3.15 Camera Overview

The camera uses an upgraded 5G Wi-Fi real-time transmission function, equipped with a 110° FOV lens and a 90° adjustable camera, which can stably shoot 4K video and 4K ultra-clear images, providing you with a broad field of vision for unforgettable moments.

Camera Guideline

① Remove the gimbal protection cover before use.



② Adjust the pitch angle of the lens by turning this button left or right.



Storing Photos and Videos

The Aircraft is equipped with a micro SD card slot for storage space expansion.

Memory capacity: a memory card with a memory capacity of 128G or less.

The phone and the memory card store photos and videos at the same time. For higher video quality, please download the video files onto the memory card.

- Check whether the capacity of the memory card is sufficient. If the capacity of the memory card is insufficient, videos and pictures cannot be stored.
- If you cannot save pictures or videos, try formatting the memory card.

3.16 Three Gears Speed of the Aircraft

The aircraft has 3 speed ranges: 9.84 ft/s, 16.4 ft/s, and 26.25 ft/s. The default speed is low speed. Turn the speed wheel to the right once, the flight speed up to 16.4 ft/s, and turn the speed wheel to the right twice, the aircraft up to 26.25 ft/s. This feature provides a versatile flight experience that caters to various needs.



Speed adjustment button

When the wind speed is high, maintaining high-speed flight helps improve wind resistance.

- When flying with fast gear, the pilot should reserve at least 3 meters of braking distance to ensure flight safety in windy conditions.
- When using the fast gear for flight, the power of the aircraft will be greatly improved, and operating the remote lever on the remote control will lead to significant flight maneuvers.
- During actual flight, the pilot should reserve enough airspace to ensure flight safety.

4. GLORALE GO Drone App

4.1 Connect Drone and App

During app usage, you may encounter some app permission dialog boxes. Please allow the app to use these permissions; otherwise, certain functions of the app may not work properly. Follow the steps below to establish a connection:

1. Open the "GLORALE GO" app. The first time you use this app, you will encounter a login registration page. Please disconnect the phone from the drone and use either the data network or WiFi to log in. Afterward, exit the app interface.
2. Power on the drone.
3. On your phone, click the "Settings" menu to access the WiFi settings page and enable the WiFi switch.
4. Locate the specified WiFi network named "Glorale_X38_XXXXXX" in the WiFi list. Click the connect button and wait for the connection to succeed. Then, exit the "Settings" interface. Note that the WiFi will display "No Internet Connection," which is normal and doesn't require any concern. Proceed to the next step as usual.
5. Open "GLORALE GO" and enter the interface shown in the figure. Click "GO TO FLY" to access the control interface, where you will be able to view the video transmitted by the drone camera.

4.2 Home

After launching the GLORALE GO app, you will enter the homepage.



GO TO FLY

Use the app's page buttons to operate the aircraft and access its functions.

TUTORIAL

Click this button to access the video website where you can view flight guidance specific to the corresponding product.












USER MANUAL

This button is for viewing the help manual, instructional videos, and quick start guide.

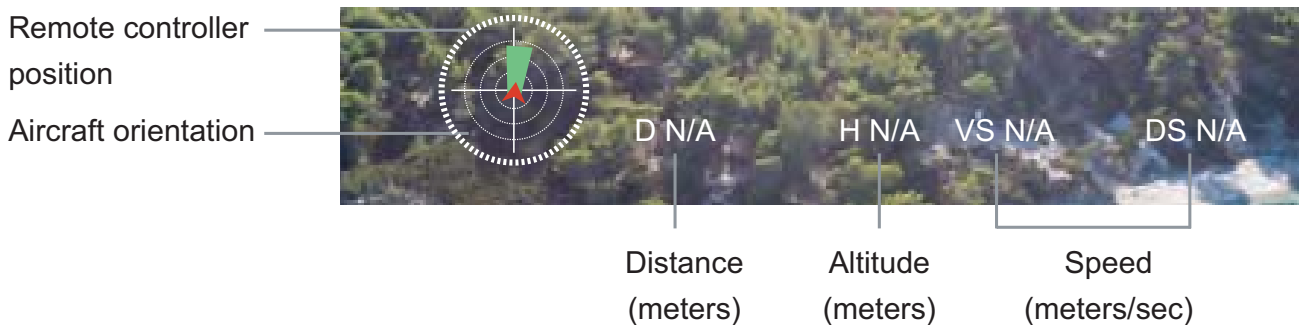
4.3 Controls

Click "GO TO FLY" to access the control interface.



| | | | |
|---|-------------------|---|----------------------------------|
|  | Back to main menu |  | Aircraft battery |
|  | Auto take off |  | After-sales contact |
|  | One-key return |  | Settings |
|  | More functions |  | Photo/video switching |
|  | GPS signal |  | Shutter |
| | |  | Media gallery (one key to share) |


The display provides information regarding the aircraft's orientation and the position of the remote control.

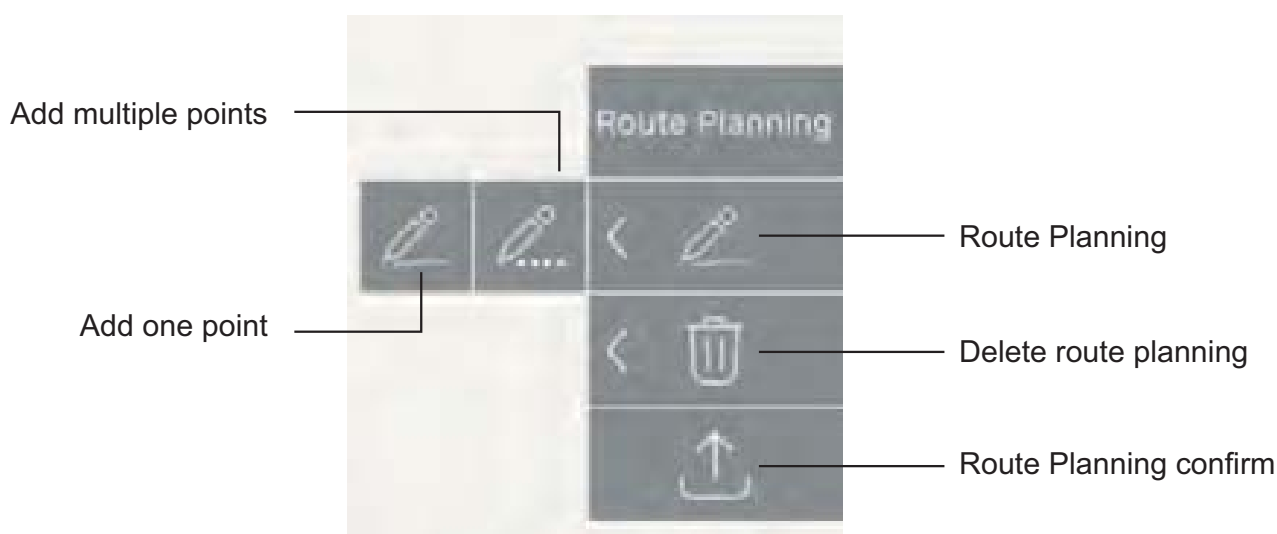




4.4 More Functions

Click ">" to access intelligent flight functions.



- ①Joysticks: Tap this button to enter the operation interface where the app controls the drone's flight. When using the phone app to control the drone, you must turn off the remote controller to disconnect it from the drone, allowing the drone to connect independently to the phone app. The control capability of the remote controller surpasses that of the mobile app.
- ②GPS Follow: Tap to activate the Follow Me function, which enables the aircraft to use the GPS in your smartphone to track your movements.
- ③Route Planning: Click the icon to access the map and select one or more waypoints. Afterwards, tap the  icon, and the aircraft will follow the designated waypoints during its flight.



- ④Fly Around: The drone will fly in a circle with the current position as the center.
- ⑤VR: Click this button to use the VR glasses function.
- ⑥Lens angle: Tap to adjust the angle of the lens.
- ⑦Filters: Tap to select a different filter mode for capturing photos or videos.
- ⑧Music: Enhance your videos with music. Click to access the music page, choose a track, and proceed to video shooting.
- ⑨Gesture Photo: Tap this icon, make a  gesture at about 2m in front of the drone camera. After successful recognition, the camera automatically takes pictures.
- ⑩Gesture Record: Tap this icon, make a "palm"  gesture about 2m in front of the drone camera. After successful recognition, the camera starts counting down and automatic recording begins after 3s.
- ⑪Zoom: Click the button to activate the zoom function, enabling up to 2x magnification.


4.5 Settings

Click  access the settings page, which includes Parameters, Track, and Calibrate Adjust.

Parameter



Out of Beginner Mode & Flight Setting

- ① While the drone is in GPS mode, its default mode is Beginner Mode.
- ② In Beginner Mode, the flight range is limited as follows: maximum flight distance of 30 meters and maximum flight altitude of 30 meters.
- ③ Click  to disable Beginner Mode and configure the appropriate flight settings in the app. The limited flight distance increases to 500 meters, and the limited flight altitude increases to 120 meters.



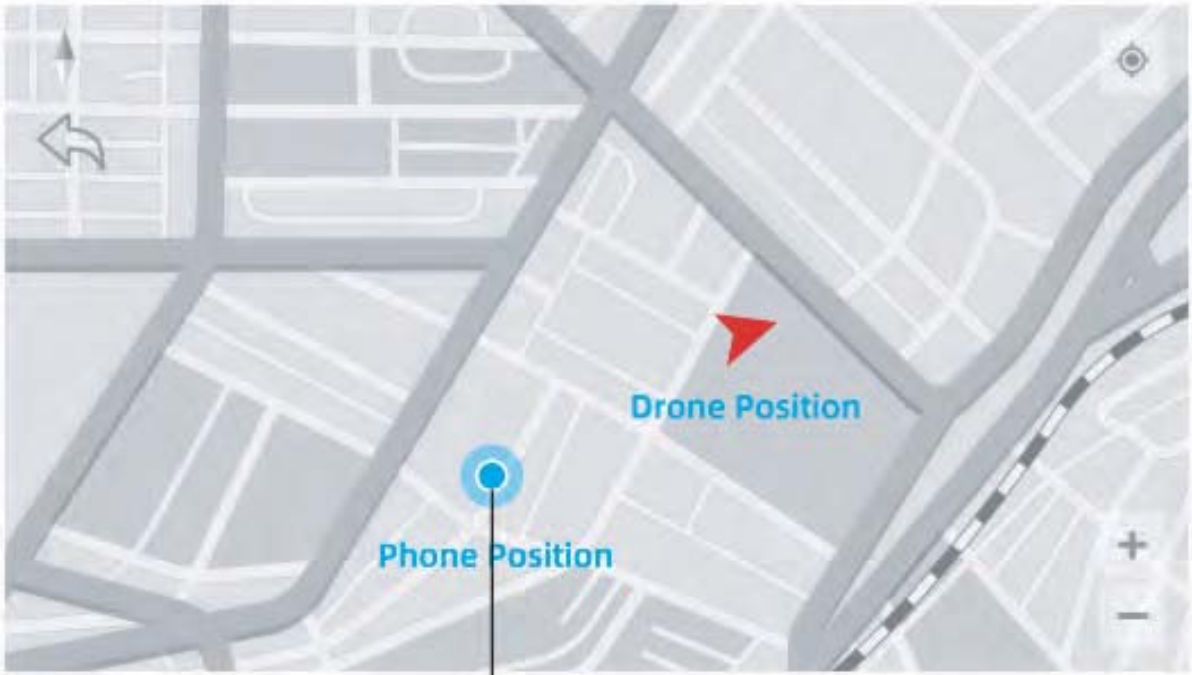
The drone must be connected with the app to save the settings.

Track

When the drone is connected to the app and has a strong GPS signal, the app can record the drone's location and data.



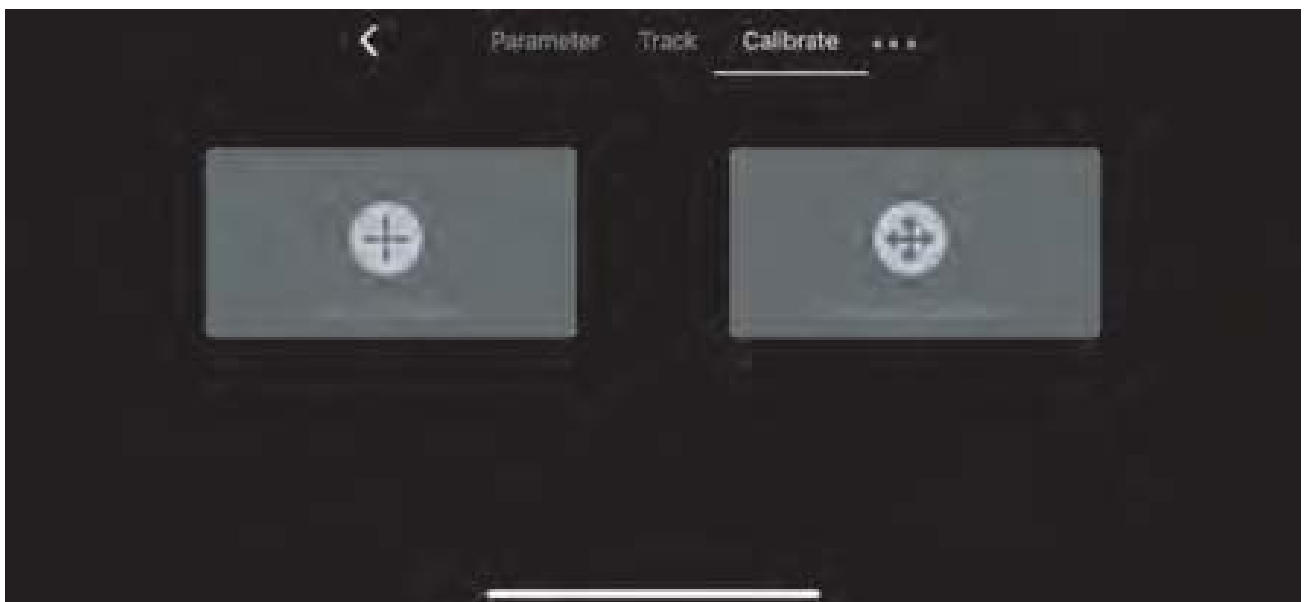
- ① Footmark: Total number of areas where the aircraft has flown.
- ② Max Mileage: The longest mileage for a single flight.
- ③ Max Altitude: The highest single flight altitude.
- ④ Max Speed: The fastest single flight speed.
- ⑤ Detail: The date, mileage, duration and height of each flight.
- ⑥ Find drone: Click to open the map and locate the drone. The last known position of the lost drone will be displayed on the map.



Current position of the mobile phone



⑦ Sign out: Delete account and relevant data

Calibrate



Click the icon to initiate calibration based on the prompts displayed on the screen.

APP Display Setting

- ①Click  to switch the units between Ft(m/s), Meter(m/s), Metric(km/h).
- ②Click  to toggle the display of track, prompts, and voice prompts on or off.



5. Appendix

5.1 Specifications

| | | |
|----------------|--|--|
| Drone | Model | X38 |
| | Weight (Including Battery) | 356g/12.56 OZ |
| | Flight Time | About 20-22 Minutes |
| | Operating Temperature Range | 32°to 104°F (0°to 40°C) |
| | Satellite Systems | GPS |
| | Dimensions (Lx Wx H) | Unfolded: 13.39 x 10.63 x 4.13 in Folded: 6.69 x 3.35 x 4.13 in |
| Camera | Controllable Range of Camera (Up and down) | About -90°TO+0° |
| | Resolution of Photo | Phone 3840 x 2160 P |
| | | SD Card 3840 x 2160 P |
| | Resolution of Video | Phone 1280x720 P |
| | | SD Card 3840 X 2160 P |
| | Resolution of Video | Photo Format |
| Remote Control | Video Format | AVI |
| | Supported SD Cards | 128GB Max (self-purchased) |
| | Operating Frequency | 2.4GHz |
| | Max Operating Distance | Up to 500 meters (Outdoor and Unobstructed) |
| | Battery | Built-in 500mAh lithium battery |
| | Charging Time | About 2 Hours |
| Remote Control | Operating Time | About 1.5 Hours |
| | Operating Temperature | 32°to104°F (0°to 40°C) |

| | | |
|---------------|-------------------------------|--|
| Drone Battery | Capacity | 2500mAh |
| | Voltage | 7.6V |
| | Battery Type | Li-polymer |
| | Max Charging Time | About 5-7 Hours(Depending on Charging Power) |
| | Charging Temperature Range | 32°to104°F (0°to 40°C) |
| | Charging Cable Interface Type | Type-C |

5.2 Common Problems and Solutions

| Question | Reason | Solutions |
|--|--|--|
| The motors cannot be started | Weak GPS signal | Turn on the aircraft in an open area with strong GPS signal |
| | The aircraft has low battery. | Please charge the battery promptly. |
| | The drone's front and rear lights flash | The compass is not calibrated. Please refer to the "Quick Start guide" Step 2 of the user manual |
| Unstable flight | Flying too low, affected by aircraft airflow | Please fly the aircraft above 9.84ft(3 meters) |
| | The gyroscope is not calibrated | Place the aircraft on a horizontal surface and conduct gyroscope/ horizontal calibration. Please refer to the "Quick Start guide" Step 4 of the user manual. |
| | 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 without any obstacles within a circle with a radius of 32.81 ft (10 meters) |
| The flying direction of the aircraft is opposite to or inconsistent with the remote control joystick during flying | The aircraft is not positioned correctly for takeoff | Before taking off, ensure that the side with the camera is facing forward and the tail of the aircraft is oriented towards the operator. |

| | | |
|--|---|---|
| Out of control, spinning around on its own, abnormal sound | The remote control 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 |
| Need to calibrate compass each time | To reduce the situation of out of control, improve its stability and make it return more accurate | Calibrating it follows the user manual or APP commands |
| Video isn't clear | Saved it on app. The video resolution is only 1280*720P when saved on app. | Please insert an SD card into the camera and save the video on it |
| Video freezes, image transmission distance is short | The joysticks are moved too fast when controlling the aircraft | Move the joysticks slowly |
| | The aircraft is out of Wi-Fi range | Fly the aircraft within the range of the Wi-Fi |
| | WiFi image transmission signal interference | Fly the aircraft in an unobstructed open area free of buildings, high-voltage wires and signal towers |
| | The remote control and the mobile phone are not pointed at the direction of the aircraft | Point the remote control and the mobile device at the flying direction of the aircraft to maintain the strongest signal connection |
| | Phone performance freezes | Close unused apps running in the background to maintain the best performance of the phone |
| | The remote control antennas aren't unfolded | Unfold the antenna and mobile phone holder and make the antennas aim at the flying direction of the aircraft |

| | | |
|--|---|---|
| App does not display the interface | The phone is not connected to Wi-Fi | Connect your mobile device to the Wi-Fi: Glorale_X38_XXXXXX |
| | The phone version is too low | Android 9.0 and above, IOS 5.0.1 and above |
| | It's intercepted by mobile phone plug-in | Turn off the intercept function and modify permissions |
| | VPN switch is turned on | Turn off the VPN switch |
| APP crash or its functions are abnormal | Wrong app downloaded | Download the correct APP |
| | The phone version is old and not compatible with the APP | Give us your mobile phone version model and we will give you a corresponding solution |
| Phone cannot connect to Wi-Fi | It is the first time to connect your phone to the Wi-Fi | Try connecting a few more times or restart the phone |
| The WiFi name is not displayed in the list | WiFi has not been activated | Wait for about 30 seconds after turning on the aircraft and keep refreshing the Wi-Fi list while the Wi-Fi is activated |
| | The aircraft doesn't pair with the remote control | Turn on the aircraft and remote control and it takes about 40 seconds for the aircraft to connect to the remote control. And then you can find the Wi-Fi name in the List |
| GPS signal is weak | 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 |
| Unable to return home, drifting and flying away | GPS signal was turned off during the flight | Please don't turn off GPS suddenly during outdoor flight. Switch back to GPS mode in time |
| It takes too long for the aircraft to pair with the remote control | It takes about 40 seconds for the aircraft to connect to the remote control | Please wait for about 40 seconds patiently |

| | | |
|---|---|---|
| Cannot charge battery/Cannot fully charge battery | Using inferior charger or charging on the computer with unstable voltage output | Use a mobile USB charger that ensures constant stable voltage output(5V) and amperage output(2-3A) |
| | 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 charger with 5V/2A or 5V/3A to charge it |
| | Flying in cold weather | In low temperatures, the chemical reaction of the lithium battery is slowed down and the energy cannot be fully released |
| The 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 |

5.3 After-sales Service Guarantee

This device comes with a 12-month warranty starting from the date of purchase. If you have any inquiries or require assistance regarding this product, please feel free to contact us directly through our dedicated after-sales service mailbox.

After-sales Service Email:support@drone2vip.com

Scan for Instruction Guides

Scan the QR code on your mobile device to access instruction guides and videos that provide detailed information on how to operate the drone effectively.



Fly responsibly

The Federal Aviation Administration requires registration of many drones flown in the US, for hobby or commercial purposes. To learn more about drone registration requirements, visit the Federal Aviation Administration's drone page <https://www.faa.gov/uas/>.

FCC Information

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.

This equipment complies with FCC exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.