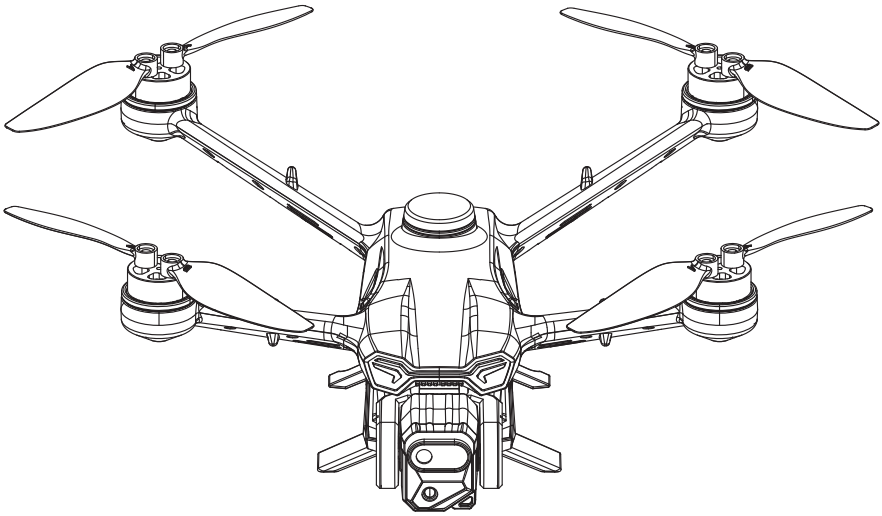
12+ AGES

GT6
AERIAL DRONE



Video demonstration
of drone operation

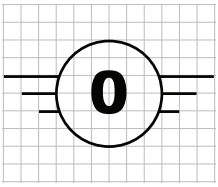
- In order to ensure the requirements of the electromagnetic environment for aviation radios, it is prohibited to operate on civil aviation routes and flight paths within 10 km on each side of the centre line of the airport runway and 20 km on each end of the runway. The use of models and drones is prohibited. The use of all types of models and drones is prohibited in the no-fly zones issued by the relevant national authorities.

- In order to ensure the electromagnetic environment for aviation radio stations, it is prohibited to use all types of model remote controls within an area of 5,000 metres radius from the centre of the airport runway.During the period of radio control orders issued by the relevant state authorities, the use of model remote controls in the area should be stopped as required.

PREFACE

Welcome to our drone user manual.This manual has been carefully prepared to ensure that you fully understand the operation of your drone and use it safely and effectively. In order to enhance your flying experience while adhering to all safety regulations, this tutorial is divided into four detailed sections covering everything from basic safety knowledge to flying techniques.

- GT6 CHARACTERISTICS AND IMPORTANT INFORMATION ABOUT DRONES



1. UAV weight: 205g; UAV max size: 243*230*85mm;
   Drone frequency band: 2407MHZ-2477MHZ
2. Options: control drone flight equipment; remote control and APP control
3. Maximum take-off mass (MTOM) of the drone: 205g
   (including battery and paddles)
4. Maximum drone flight speed: 9 metres per second
5. Maximum reachable altitude: 100 metres
6. Drone category: C0
7. the drone does not have the ability to carry loads with items other than its own paired battery and paddles.
8. drone remote control equipment and software: equipment: remote control / software: WiFi drone.
9. description of the drone and drone behaviour when the data link is lost: when the data link is lost, the drone will land vertically on the ground.
10. Operation Restrictions: Avoid outdoor operation in strong wind or thunderstorm conditions and ensure night flights are within visual range.
11. This drone is only suitable for operation by individuals aged 12 and above. To ensure flight safety, please avoid flying near airports, motorways, railway stations, underground stations and densely populated urban areas.

DRONE MANUAL

Part 1: Security Guidelines

It is vital to know all safety-related information before you start using your drone. This section provides basic safety rules and guidelines to prevent potential injury or damage. Following these basic guidelines will not only ensure your safety and the safety of those around you, but will also protect the drone from damage.

Part 2: Introduction to Product Components

To familiarise you with your drone, this chapter details the names, functions and operations of the various components. By learning the basics of your product's components, you can quickly diagnose problems as they occur and make more effective use of your drone's diverse capabilities.

Part 3: Flight Tutorial

This section provides a comprehensive overview of the basic setup steps and operating techniques in helping beginners easily master drone enablement and basic flight manoeuvres. Once you have mastered the basic operation of your drone, this section will further guide you in improving your flying skills. The content includes detailed flight procedures, operating tips, use of advanced features, and strategies for potential emergencies. Whether you are just starting out or are an experienced pilot, these in-depth tutorials will provide valuable guidance and advice.

- We recommend that you read each section of this manual carefully to gain a full understanding of all of the drone's features and safety measures. We want you to find fun and safety when using your drone. Thank you for choosing our products and enjoy your flight!

FLIGHT ENVIRONMENT REQUIREMENTS

INDOOR FLYING

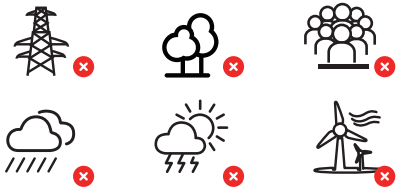
Please choose a spacious indoor area and make sure there are no obstacles,people or pets around for flying. Please ensure that babies and young children are kept at a safe distance and avoid any physical contact with the drone to prevent unnecessary accidents.

OUTDOOR FLYING

Please choose a sunny, windless or breezy day. Choose a location that is free of obstacles, crowds, pets, passersby, high walls and trees. Stay especially away from heat sources, electrical wires or electronic power sources to avoid collisions, entanglements, fires, electric shocks and other potentially disastrous accidents.

⚠ Notes:

1. Keep the UAV in line of sight during flight and avoid obstacles such as power lines, trees, crowds, etc.
2. Do not fly in extreme weather conditions, including extreme cold, extreme heat, strong winds, heavy rain, etc.



PRE-FLIGHT PRECAUTIONS

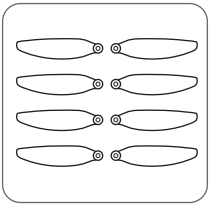
1. To avoid damaging or losing your drone due to improper operation, beginners are advised to read the manual and watch the instructional video carefully before flying. Keep the flying distance within 98 feet/30 metres, and only try high altitude flying after three days of low altitude flying practice.
2. Gyro calibration must be performed before each takeoff. Otherwise, the drone may fly erratically or even lose control.
3. To ensure a stable connection (WIFI connection) between the APP and the drone during the flight, it is recommended that you first turn off the option to automatically connect to a WIFI network near a strong signal in your phone's WLAN settings.
4. When operating with the remote controller:
   - If APP is not connected, the shooting function will be unavailable, but all flight functions of the remote controller can still be used normally.
   - If the APP is connected, the shooting function is available and the APP can assist in viewing the camera screen in real time.
5. If you intend to operate the drone via APP:
   You must first disconnect the remote control; otherwise, the APP control function will be disabled.
   - APP control function includes basic flight direction control and intelligent flight features, such as APP follow and trajectory flight.
   - It is not recommended to use APP instead of remote control to operate the drone. Using APP to control the drone is not as flexible as using the remote control, and the

   The effective distance of APP control is much smaller than the effective distance of remote control operation.
6. The maximum connection distance between the remote control and the drone is 400 metres. Do not fly outside this range as this may result in the drone crashing or being lost due to loss of control (in jamming-free mode).
7. The maximum connection distance between the APP and the drone (i.e. the range of the drone's WIFI data transmission) is 150 metres. Exceeding this distance may cause problems receiving photos, videos, etc. (in interference-free mode).
8. Keep the drone in line of sight when flying.
9. Keep your distance when the drone takes off (it is recommended to keep a distance of more than 6.5feet / 2 metres) and do not touch the drone during flight to avoid injury from the fast spinning propellers.

ACCESSORY LIST

Aircraft (with batteries) x 1

Remote control x1



Spare propeller Ax4 Bx4

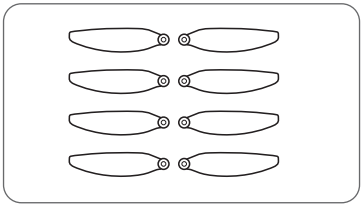
Screwdriver x 1

USB charging cable x 1

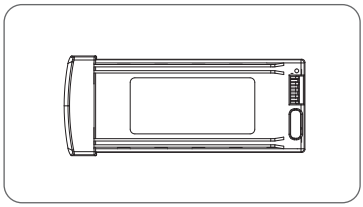
⚠ Notes:

If you purchased the dual battery version, the package will include 1 additional spare battery. If you purchased the triple battery version, the package will include 2 additional spare batteries.

OTHER DRONE ACCESSORIES AVAILABLE FOR PURCHASE



Spare propeller Ax4 Bx4



Batteries

USB charging cable x 1

Brushless motor

PREFACE

Welcome to buy this product, in order to make it easier and more convenient for you to use this aircraft, please read this manual in detail before operation, and please keep this manual as a reference for future adjustments and maintenance.

IMPORTANT NOTICE

1. This product is not suitable for people under 12 years of age. This product is a toy drone that integrates mechanical,electronic, aerodynamic, and high-frequency transmitter expertise, and requires proper assembly and commissioning to avoid accidents. The owner of this product must use a safe way to operate the control; improper operation may cause serious personal injury or property damage.
2. This product is intended for people who have experience in operating model aircraft and are not less than 12 years of age.
3. In case of problems in use, operation and maintenance. Please contact the local distributor or the relevant personnel of our company.

SAFETY PRECAUTIONS

Keep away from people when flying the RC model aircraft. Improper assembly or damage to the body, poor electronic control, and unfamiliarity with the operation of the aircraft may result in damage to the aircraft or personal injury or other unpredictable accidents. The operator must pay attention to the safety of the aircraft and must be aware of his/her responsibilities beyond his /her own negligence.

1. KEEP AWAY FROM OBSTACLES AND CROWDS

Remotely piloted aircraft flight with uncertain flight speed and state, there is a potential danger, flight must be away from the crowd, high-rise buildings, high-voltage power lines, etc., and avoid flying in the wind, rain, thunder and lightning and other inclement weather, in order to ensure the safety of the pilot / the surrounding crowd and property.

2. KEEP AWAY FROM HUMID ENVIRONMENTS

The interior of the aircraft is composed of many sophisticated electronic components and mechanical parts, so it is necessary to prevent the aircraft moisture or water into the body, in order to avoid mechanical and electronic components failure and cause accidents.

3. USE THIS PRODUCT CORRECTLY, PLEASE USE ORIGINAL PARTS FOR MAINTENANCE TO ENSURE FLIGHT SAFETY. OPERATE AND USE THE PRODUCT WITHIN THE SCOPE OF ITS FUNCTION, AND DO NOT USE IT FOR ILLEGAL PURPOSES OTHER THAN THOSE PERMITTED BY SAFETY LAWS AND REGULATIONS.

4. AVOID MANIPULATING ALONE

Remotely piloted aircraft (RPV) handling skills are difficult to learn at an early stage, so try to avoid flying alone and require guidance from an experienced person.

5. SAFE OPERATION

Please operate the RC aircraft according to your condition and flying skills. Fatigue, poor mental health, or improper operation will increase the risk of accidents.

6. KEEP AWAY FROM HIGH SPEED ROTATING PARTS

When the rotor of the aircraft is rotating at high speed, keep the pilot, surrounding people and objects away from the rotating parts to avoid danger and damage.

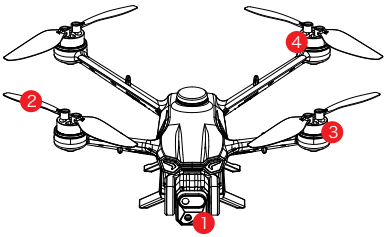
7. KEEP AWAY FROM HEAT SOURCES

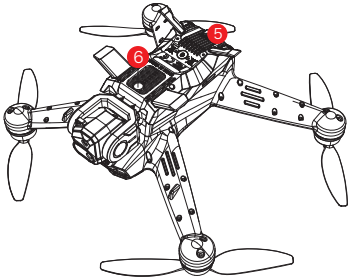
RC aircraft is composed of metal, fibre, plastic, electronic components and other materials, so we should try to keep away from heat sources, prevent sunlight, to avoid deformation or even damage caused by high temperature. Therefore, it should be kept away from heat and sunlight as much as possible to avoid deformation or even damage caused by high temperature.

CONTENTS

AIRCRAFT

1. Names of aircraft components



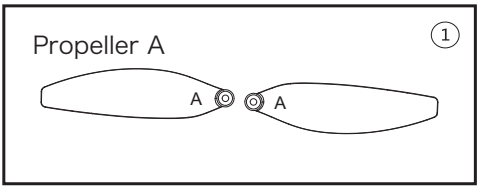


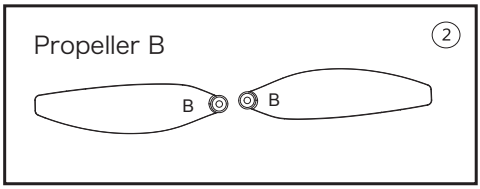
1. 90˚electrically adjustable lens 2. Propellers 3. Motor 4. LED
5. Li-ion battery 6. Bottom optical flow lens

2. Propeller installation

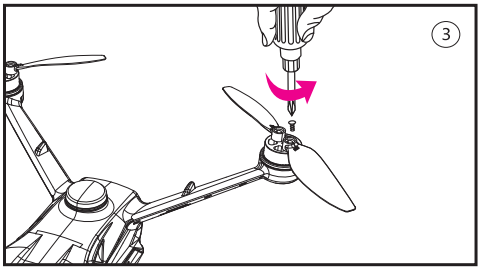
he propellers used in this product are divided into A and B propellers, if damaged, please use the spare propellers in the accessory kit for replacement.

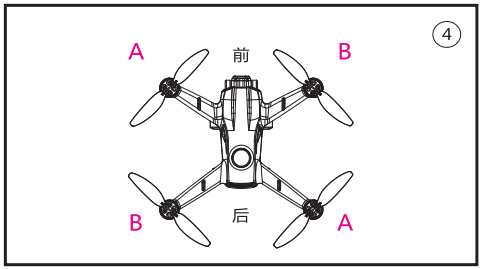
⚠ (1) When installing for the first time, please distinguish the propeller model carefully.





⚠ (2) Compare with Fig. 3, use the screwdriver provided to unscrew the screws of the propeller to be replaced, remove the original propeller, install the new propeller to be installed, and re-lock the screws.

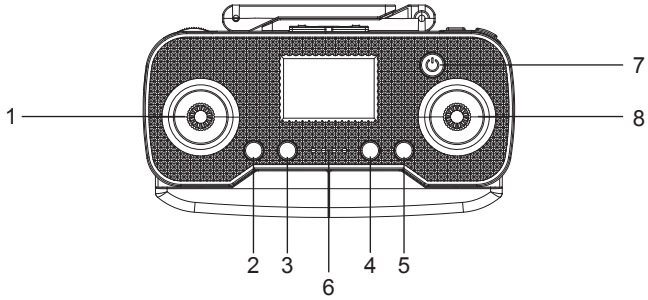


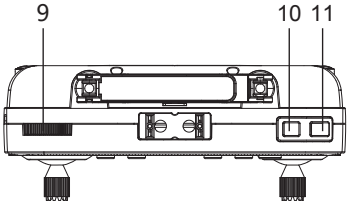


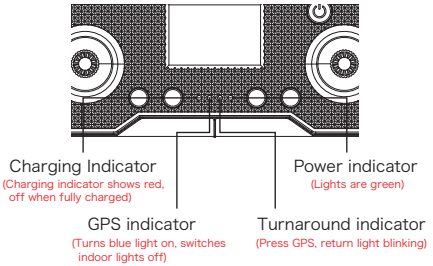
⚠ (3) Check that the type of propeller on the craft is the same as that shown in Fig. 4. Please install the propeller in the correct position, otherwise the craft will not fly properly.

REMOTE CONTROLS

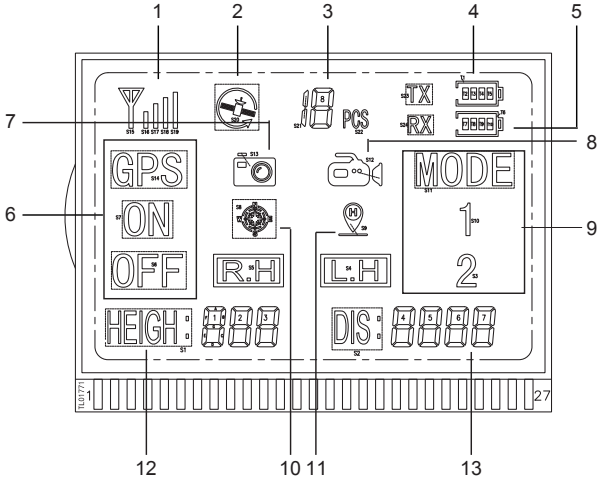
1.Remote control function





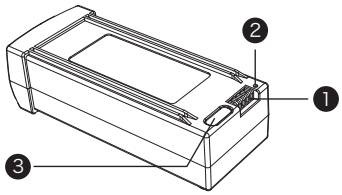


1. Accelerator lever
2. GPS Switch
3. Short press for headless mode
   long press for one-touch take-off/landing
4. Short press gyro
   long press geomagnetic correction
5. One-click return
6. Indicator light
7. Power switch
8. Front/Rear/Left/Right
9. (Scroll wheel) Camera angle adjustment
10. Short press to take photo
    long press to record
11. Short press to switch speed
    long press to avoid obstacles



1. Signal
2. Satellite logo
3. Number of satellites
4. Remote Control Battery Level
5. Drone power
6. GPS Switch
7. Take a picture
8. Videorecord
9. Speed grade
10. Headless mode
11. One-click return
12. High degree
13. Gap

4. Lithium batteries for aircraft



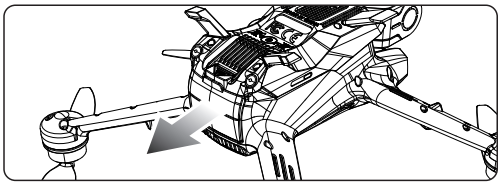
MADE IN CHINA
Name of Sample: Li-ion Battery
Model No.: ZN 802558
Voltage: 7.4V
Capacity: 1300mAh
Energy: 9.62Wh
Li-ion 01
Dry Chemical
Applicant's name.: Guangdong Zeneng Electronic Technology Co., Ltd.
Address: No.101, 1st Floor, Building C1-08, Zhonghaixin Innovation Industrial Park, No. 7 Shugang Avenue, Binhai Street, Haojiang District, Shantou City
USB Input: DC 5V/1.2A

1. Battery Connector
2. Charger Indicator 3. Type-C port

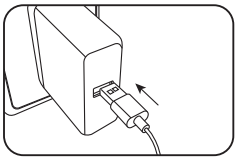
Press and hold the power button for 3 seconds to switch on,
Then press and hold the power button for 3 seconds to switch off.

LI-ION BATTERY

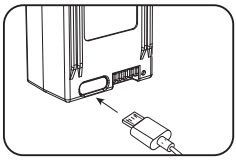
1. Charging of aircraft batteries and remote controls



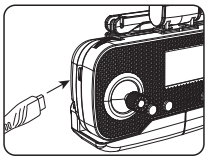
The battery can be removed from the craft by pressing the tab on the battery.



Mobile phone adapter:5V,1A-2A
(Requires additional purchase)

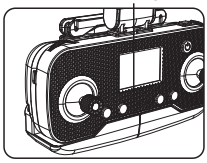


Charging time: approx. 120 minutes
(Recommended with original charging cable)



Use the original USB charging cable to connect the remote control and connect it to the power supply for charging

Indicator light



When charging, the remote control indicator light is red, full light off

2. Lithium battery charging instructions

1. Charging: Battery indicator light is on when charging, battery indicator light is off when fully charged.
2. It can be charged using a mobile power supply or a car power supply.
3. The lithium battery of the aircraft has a charging time of approximately 120 minutes and a range of approximately 20 minutes.
4. The remote control uses lithium batteries, the charging time is about 60 minutes, when fully charged, the charging indicator light is off.

⚠ Precautions when charging:

※ Do not place the charged battery in a hot place, such as an open flame or an electric heater, or it may be damaged or explode.

※ Do not strike or knock the battery against hard surfaces. ※ Do not disassemble the battery.

※ Do not immerse the battery in water. Store the battery in a dry place.

※ Do not leave the battery while it is being charged.

APP

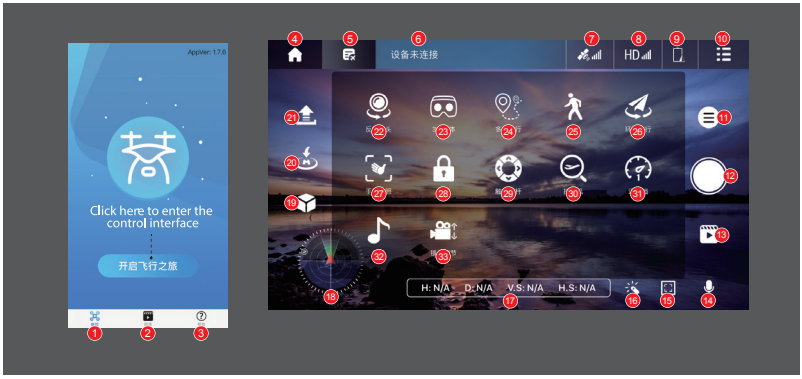
1. Download and install APP software (please scan the code to install)

ios

Android(Google)

2. APP software interface icon function

Wait until the mobile app says ‘ready for take-off’ before flying. This ensures that the GPS of the aircraft is synchronised for normal flight.



1.Manoeuvre Home
2.Image archive
3.Help
4.Back to Main Menu
5.Flight recorder
6.Connection status
7.GPS satellite
8.Wifi signal
9.Power Levels
10.Setting More
11.Camera video switching
12.Shutter
13.Media library
14.Sound recordings
15.Focus Zoom
16.Filters
17.Distance information
18.Maps
19.More functions
20.One-click return
21.One-click take-off
22.Reversal shot
23.3D
24.Multipoint flight
25.Follow
26.Looping flight
27.Take a picture with a gesture
28.Release
29.Rocker switch
30.Searching for aircraft
31.speed grade
32.Add Music
33.Camera switching

FUNCTIONAL DESCRIPTION OF CONTROL INTERFACE

Returns to the main menu: Click to return to the main page (home page).

Flight Records: You can see the flight log of the aircraft by clicking into the flight log.

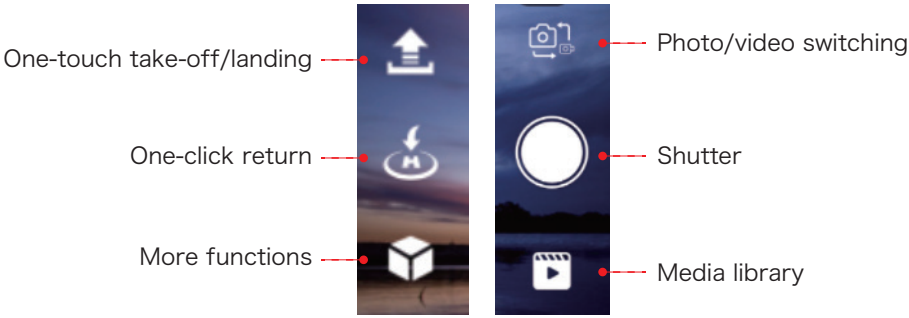
Connection Status: When the aircraft is connected here you can display 'Device is connected'.

GPS satellite: Indicates the current flight mode and satellite particles; blinking indicates the current optical flow fixed point mode, no return, follow, surround and pointing flight functions. Constant light indicates the current GPS mode.

WIFI signal: Displays the strength of the WIFI signal.

Power Levels: Vehicle power status.
(1) 2-4 frames means normal battery level, in GPS mode, it can operate return, follow around and pointing flight function normally.
(2) 1 cell (blinking status) indicates the current low battery status, the aircraft will perform the automatic return function; There is no following, circling and pointing function in low battery state.

Setting up more: Click More Settings to access the settings page.



One-touch take-off/landing: Click to unlock for one-touch takeoff or one-touch landing.

One-click return: During the flight of the aircraft, click on One Touch Return to return to the aircraft.

More features: Click More Functions to bring up hidden functions.

Photo/video switching: Click the button to perform photo/video operation according to the current lens.

Shutter: Tap the shutter button to perform photo/video operations based on the current screen.

Media Library: Click the button to bring up the photo and video media library.

FUNCTIONAL DESCRIPTION OF CONTROL INTERFACE

Reverse shot: Rotate the lens 180 degrees.

3D: Enter or exit the VR function.

More flying: GPS mode to enter or exit the Multi-Point Flight Settings screen.

Follow: GPS mode, the aircraft will follow the mobile phone flight to start or stop the follow function.

Circle Flight: In GPS mode, enter or exit the Points of Interest Surround Flight Settings screen.

Gesture photo: Gesture to take photos and videos, use your right hand to raise the Yeah gesture (as shown in Figure 1) APP will automatically take photos after 3 seconds, spread the five fingers of your palm (as shown in Figure 2) APP will automatically start or stop the video recording.

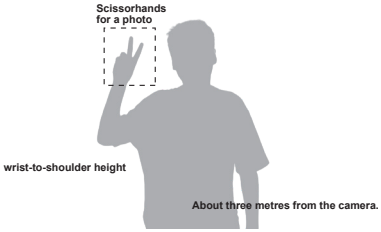


Figure 1

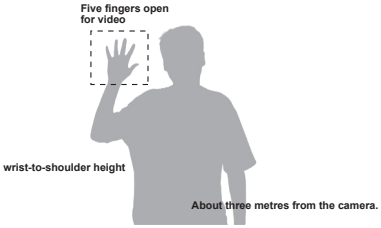


Figure 2

Unlock: Unlock or lock the drone.

Touch the remote lever: Switch the remote lever function on or off.

Look for the aircraft: Locate the exact location where the aircraft crashed and was lost.

Speed gear: Regulates the speed of an aircraft in flight.

Music: Add background music while recording a video.

Lens Adjustment: Adjust the shooting direction of the lens.

FUNCTIONAL DESCRIPTION OF CONTROL INTERFACE

Please note

To ensure that the lens gets a high recognition rate

1. Please face the camera;
2. Please fly in a well-lit environment;
3. Please perform the gesture recognition operation at a position of about 2m from the lens;
4. Ask the user to face the camera; (face-assisted features)

The lens recognition rate is reduced in the following cases

1. Weak lighting, or backlit environments;
2. WiFi signal is weak or the signal is interfered;

SETTINGS SCREEN

Figure 3

Figure 4

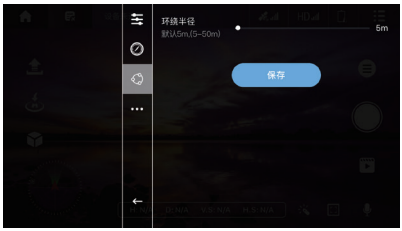


Figure 5

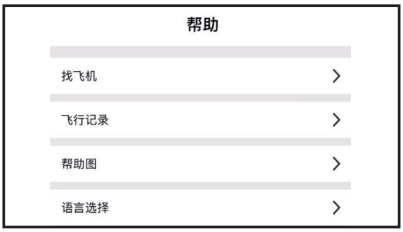
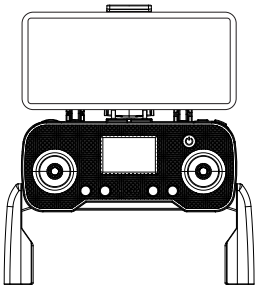


Figure 6

1. Click on the parameter settings to set the flight distance and flight altitude. Figure 3
2. Click Calibration Settings to set Horizontal Calibration or Guide Calibration. Figure 4
3. Click Surround Settings to surround the radius. Figure 5
4. Click More Settings Language Selection. As in Figure 6

FLIGHT OPERATIONS INSTRUCTION

Due to the large size of this craft, we only recommend that you use this product outdoors to avoid unnecessary loss or damage.

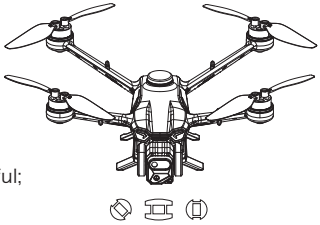


Step 1: Switch on the flyer and the remote control power indicator flashes. The remote control will automatically frequency pair with the aircraft, when frequency pairing is completed, the remote control power indicator light is always on.

Step 2: WIFI signal connection

Download the corresponding APP (attached) on your mobile phone, open the WiFi search interface, select the corresponding WiFi hotspot, and open the APP after the connection is completed.

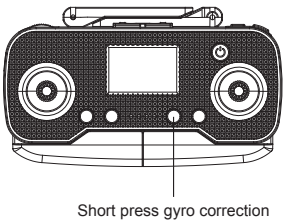
Step 3: Switch on the aircraft and place it on a level surface



— At this point the vehicle placed on the horizontal plane automatically enters the frequency pairing state.
Four machine arm yellow lights - flashing.
— Remote control auto-frequency pairing is successful;
Front arm lights: yellow - always on,
Rear arm lights: yellow - flashing.

Step 4: Horizontal calibration of aircraft

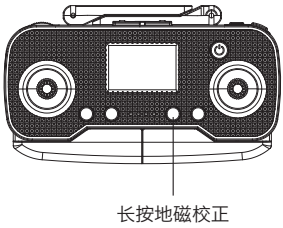
— Short press on the calibrate gyro button
— The four lights of the craft are yellow - flashing,
The calibration becomes completed:
Front arm lights yellow - always on,
Rear arm light yellow - flashing.



Note: Be sure to place the vehicle on a level surface for horizontal calibration, otherwise the flight attitude will be affected.

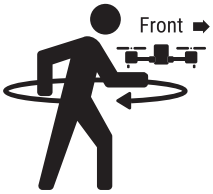
Step 5: Geomagnetic calibration

— Press and hold the Geomagnetic Correction button to enter the Geomagnetic Comparison Mode.
Flyer front and rear lights yellow - flashing.
— STATUS DISPLAYED ON APP:
Enter horizontal calibration.



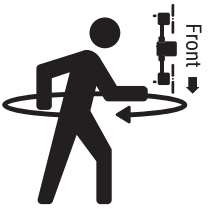
Step 6: Geomagnetic Level Calibration - Part 1

— Hold the craft horizontally and turn it in a complete circle (360˚) with your body, and the remote control beeps.
— The yellow and red 4 arm lights are flashing alternately.
APP shows the status: horizontal correction is complete → Compass vertical correction



Step 7: Vertical Calibration of Compasses - Part 2

— Turn the aircraft nose down and accompany your body in a complete circle (360˚), and the remote control beeps.
— Flyer lights change to:
Front arm light: yellow - always on,
Rear arm light: yellow - flashing.
— Status on APP: Compass calibration complete.



Step 8: GPS search successful.

— Reposition the craft on an outdoor level surface.
— Waiting for a star search.
— This step takes a few minutes to complete.
— The remote control will beep when the search is complete.
Vehicle light status: arm always on multi-colour light

Note: Please search the GPS signal in the open place, indoor, tin house and other buildings under the GPS signal can not be searched.

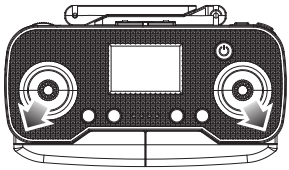
Attention: When the drone returns home with low power, the light shows red, and when it can take off with low voltage and no power, the light flashes red.

Step 9: Motor Unlocking

— Push the throttle lever on the remote control, and push the steering wheel in the outward eight direction.

— The motor is automatically unlocked and activated, and you can push the throttle stick directly to take off.
(This function is set before take-off)

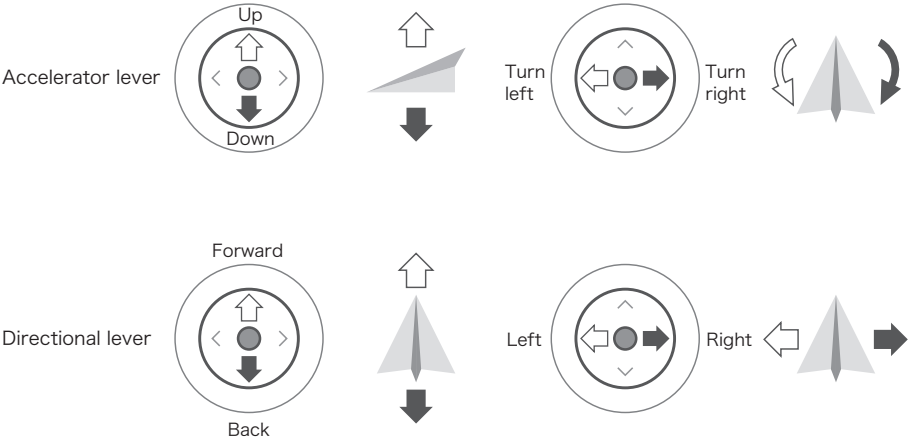
— Cancelling motor unlock:Pulling down on the throttle for 2 seconds also cancels motor unlock.



Accelerator lever Directional lever

⚠ **Tips.** When the remote control is in low battery, the remote control power icon blinks. In this case, please stop flying as soon as possible and charge the remote control.

2. How to operate the remote control

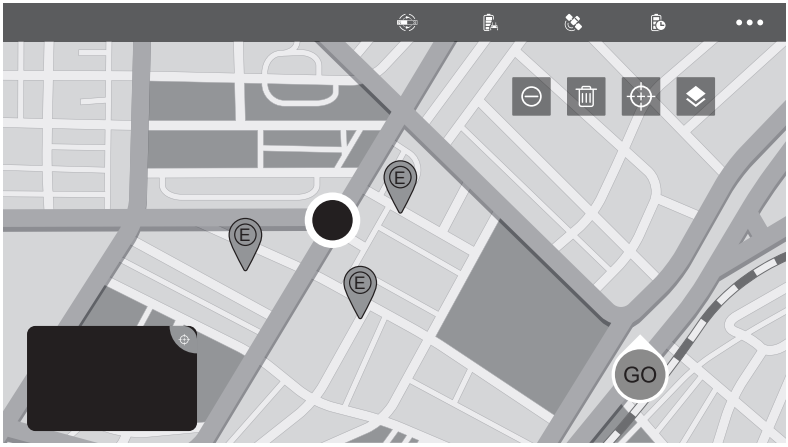


FUNCTIONAL ANALYSIS OF FLYING MACHINES

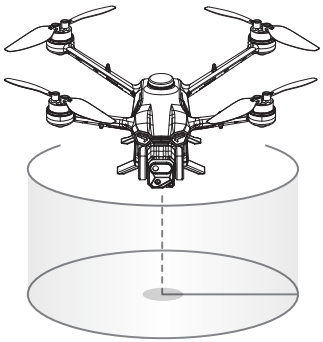
1. Route planning

— Before using this function, first connect to an external network (Internet) or 4G network, and enter the ‘Route Planner’ function of the app.

— After connecting to the aircraft WIFI successfully, enter the APP operation interface and click on the ‘Route Planner’ function icon to plan your favourite routes within the red circle, up to 16 waypoints can be clicked. Push the Push the direction lever to cancel.



2. Surrounding points of interest



1. Hover the vehicle over the point to be circled.
2. Select the surround radius in the multifunctional function of the app and ‘Confirm Execution’.
3. When circling, control the left flight direction stick or the right flight direction stick to change the vehicle's clockwise or anti-clockwise flight.
4. When circling, control the forward or reverse stick to change the size of the craft's circling radius.
5. Click the APP ‘Surround Function’ icon again to exit surround.

3. GPS follow

When the GPS follow function is enabled, the craft will move with the GPS position on the mobile phone wherever the operator goes.

(Please make sure your mobile phone is well connected to the aircraft and open the APP before using this function)

1. Control the aircraft to a distance of 10-50 metres, rising to a horizontal altitude free of obstacles to flight.
2. Tap the icon on the APP screen.
3. Tap the icon on the APP interface again to exit the GPS follow function.

⚠ Frequently Asked Questions:

WiFi co-channel signal interference due to surrounding buildings, trees or residential areas can affect the follow function.Use. If the mobile phone GPS positioning is not on, the mobile phone GPS signal is too weak, the GPS follow function will not be activated.will not be activated.

- Recommended to use in the open area, and pay attention to the surrounding environment.

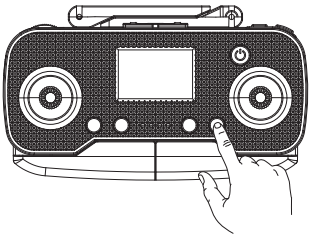
4. Gesture photo/video

— Gesture photo: Click the icon of ‘Gesture photo’ in the APP operation page, follow the pop-up box to operate, the right hand scissor hand is to take a photo, there are 3 seconds to take a photo to confirm the process of posing and counting down. Open your right palm to start recording, raise your right palm again to stop recording or click the mobile phone APP video button to stop recording.

5. GPS return

The GPS Return to Home (RTH) function returns the vehicle to the takeoff point. This function is only available in GPS mode.
There are three types of Return to Home (RTH) for the aircraft: GPS Return to Home / Low Power Return to Home / No Signal Return to Home.

① GPS return:



Tap the button on the remote control or mobile app interface, the remote control will start to beep. The aircraft will automatically return to the vertical airspace over the take-off point and then slowly descend to the take-off point. Press the button again to stop the return flight, or you can manually pull down the throttle lever and direction lever to lower the aircraft to a safe area.

② Low power return.

Low battery return is triggered when the battery is low.
When Low Power Return is activated, the vehicle will automatically return to the airspace approximately 30 metres away from the operator, who can then manually operate and control the vehicle. The vehicle can also be landed in a safe place by pulling down on the throttle stick. When the power is depleted, the vehicle will automatically return to the take-off point.

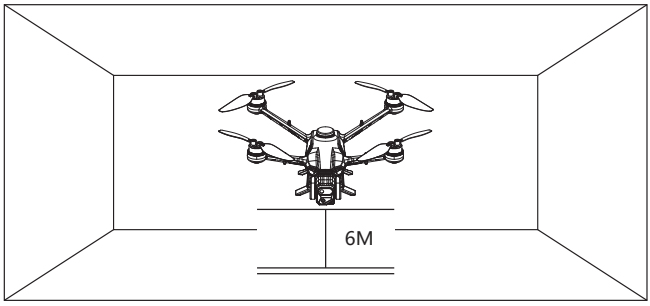
⚠ (Note: Please do not push the steering stick forward when entering the low power return, if you do, the return will be disabled and the aircraft will be lost).

③ Returning without a signal:

If the vehicle loses connection with the remote control, the vehicle will automatically enter return mode. The vehicle will automatically return to the take-off point, where it will be paired with the remote control. If the connection is successful, the operator can control the vehicle again.

6. Optical flow positioning

The vehicle is equipped with optical flow positioning, which allows the vehicle to hover stably at low altitude.



⚠ Note:

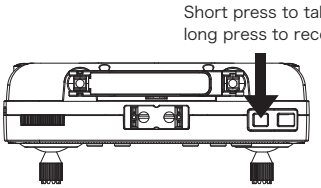
(1) Optical flow positioning needs to assist the flight in the surrounding environment with sufficient light and rich texture, it can not completely replace the user's judgement, please pay attention to the aircraft conditions and APP prompts, do not rely too much on the optical flow positioning.

(2) Optical flow positioning is ineffective or ineffective when the ambient light is too bright, too dark, mirrored surfaces, solid coloured smooth ground, water, reflective surfaces, sparse texture surfaces and other scenes.

(3) The best working range of optical flow positioning is between 0.5 - 6 metres, beyond this range, the positioning of optical flow positioning may not be effective, please fly with caution.

(4) Please make sure that the optical flow positioning lens is clear and free of stains and obstructions.

7. Explanation of camera functions




Take a picture


Videorecord

Icons on the APP

① Tap the button on the remote control, or tap the button on the APP interface, and the Photo indicator on the remote control display will blink once, indicating that a photo is taken.

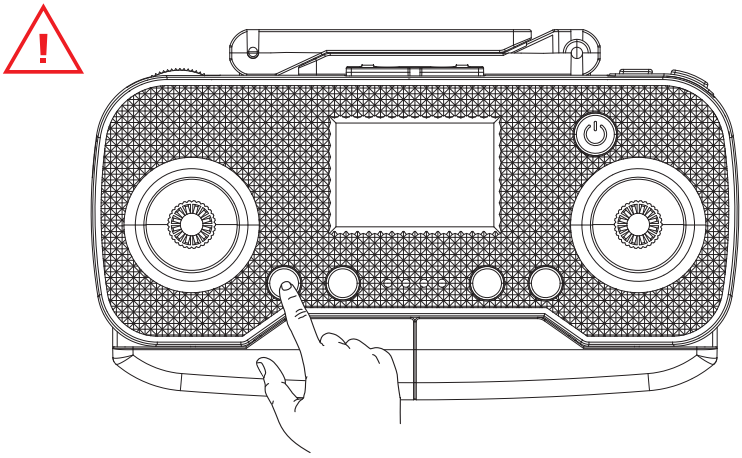
② Long press the button on the remote control once, or click the button on the APP, the VIDEO indicator on the remote control display lights up, indicating that recording is in progress.

③ Press or again to stop recording and save the video to APP album. (No photographs can be taken during video recording)

8. With GPS mode/without GPS mode

(Indoor mode needs to be switched to GPS-free mode)

In the GPS signal is relatively poor environment, such as indoor or cloudy days, etc., the aircraft rear arm lights for a long time did not turn into a breathing light state, if you need to take off then you can long press the GPS button on the remote control to turn off the GPS mode for 3 seconds, the remote control display turns into the GPS OFF state, the aircraft enters the indoor mode, you can take off, but all the functions of the GPS is off.



Press and hold the GPS button for 3 seconds to switch off the GPS mode.

GPS Mode

It is that the UAV uses GPS module to locate, when the GPS mode is turned on, the UAV with the barometer can be able to fix the point, fix the height of the precise hovering flight, the difficulty of the flyer to operate the UAV is greatly reduced, at the same time, with the ground station system to achieve the autonomous route flight, real-time to the ground station to send the aircraft's location. In the case of poor GPS signal the UAV can not achieve accurate hovering, only to provide attitude stabilisation, the UAV is equivalent to the attitude mode at this time.

Attitude Mode

Attitude mode is when there is no GPS positioning, the flight control only provides attitude stabilisation, attitude mode is commonly used in some cases where the GPS signal is poor. The UAV mainly uses the IMU inertial measurement unit (barometer, angular velocity meter,accelerometer) to locate its own state, in this case, the UAV will flutter left and right without precise hovering, and the pilot is required to correct the position of the UAV continuously through the remote control. Therefore, the pilot is required to have a high level of skill in operating the UAV, and when taking the UAV pilot licence, the over-the-horizon level of flight must be flown in attitude mode. The main purpose is to train drone pilots to have better piloting skills in order to pilot in complex terrain and to rescue the aircraft in emergency situations.

FREQUENTLY ASKED QUESTIONS

1. The mobile device and the remote control cannot be connected.

① Check if the status of the APP control signal icon changes

2. Stuck or prone to uncontrolled disconnections in graphic transmissions

① Adjust the angle of the antenna to the aircraft, with no obstruction in between.

② Change of flying site, please do not fly near high buildings and signal towers.

③ Update the latest firmware of the aircraft

3. Vehicle hovering instability

① Change of flying site, please do not fly near high buildings and signal towers.

② Perform aircraft compass calibration and levelling

③ Determining if the wind is too strong for flight

④ Determine whether the wind blade and arm are deformed

4. Vehicle GPS accuracy is not accurate or fails GPS accuracy test

① Search GPS up to 8 and above in outdoor open area

② Close walks around the craft

③ Replacement of mobile equipment

④ Do not test under high floors

5. Battery not charging

① Re-plugging the charger and battery

② Replacement of the charger

6. Short flight duration

Over-charging and over-discharging of the battery or high temperature environment will easily lead to a reduction in battery life, it is recommended that the battery is kept at about 60% of the remaining battery life, and then fully charged before use.

7. Shots are not clear

① Check that the lens protection film is not removed

② Use in a well-lit environment

8. The camera is fogging up

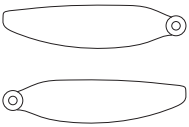
① Fogging of the lens due to humidity, change of aircraft storage location

② Place desiccant in the protective cover of the head when storing

9. Loss of captured pictures or videos

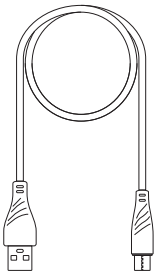
Recorded video should be ended, otherwise the video may be damaged or lost

ACCESSORY LIST



Propeller A X4

Propeller B X4



Type-C Charging CableX1

Instruction manual X1

CARE AND MAINTENANCE

1. Always clean this product with a clean, soft cloth.
2. Avoid exposing this product to sunlight or heat.
3. Do not immerse this product in water, as this may damage the electronic parts.
4. Check the plug and other fittings regularly, and if any damage is found, stop using it immediately until it is completely repaired.

* All information in this manual has been carefully checked for accuracy and we reserve the right of final interpretation in the event of any typographical errors or omissions.

Why do drones go out of control when using a remote control?

1. Operational error:
   a. Operators may accidentally press the wrong buttons or not yet be familiar with the directional controls of the joystick, causing the drone to behave differently than expected.
   b. Operators may confuse the two modes of directional control of the UAV, the normal mode and the headless mode.
2. Signal interference: If there are many wireless signals or signals from other devices in the vicinity, they may interfere with the connection between the remote control and the drone.
3. Low Battery: A low battery in the remote control or drone may affect their performance, resulting in ineffective control or delayed response.
4. Distance too far: If the drone flies out of the maximum control range of the remote control, the connection to the remote control may be lost.
5. Environmental factors: Strong winds or other environmental factors may affect the flight path of the drone, making it appear to be out of control.
6. HARDWARE FAILURE: Some components of the remote control or drone may malfunction or become damaged, causing them to not function properly.

⚠ If you are experiencing this situation, it is recommended that you find a safe place to make an emergency landing and then troubleshoot and deal with the situation. If possible, consider flying again in an area with no signal interference and always make sure the batteries in the remote control and drone are fully charged.

OVERVIEW OF APPENDICES

General information

1. List of items, including qualifying accessories:
 - Model: GT6 Propellers; Weight (4 pairs): 4.7 g; Dimensions: 58 mm X 15 mm X 0.7 mm; Maximum Speed: 11,000 RPM
 - Model: GT6 Battery (Model: ZN 802558); Weight (1): 58 grams; Dimensions: 77 mm X 30 mm X 20 mm

2. List of drone combinations:
 - Combo 1: GT6, GT6 remote control
   Remote control auto pairing, manual mode.
 - Combo 2: GT6, mobile app (WiFi drone)
   App Pairing: automatically pair with drone after clicking app control button, manual mode.

3. Distinguishing by similar products from the same manufacturer:
 - Similar products made by the same manufacturer can be distinguished by the product model and the colour of the exterior.

MTOM Statement

The maximum take-off mass (MTOM) of the GT6, including the aircraft, propeller, battery and propeller guard, totals 205 grams and meets Category C0 standards. There are no additional loads

2. In order to ensure that your GT6 UAV is C0 compliant, it is vital that you follow the maximum take-off weight regulations. The user must follow the instructions below:

- Calculate takeoff weight: Before takeoff, add the weight of the drone (including the battery and any installed accessories) to the expected additional payload.
- OVERWEIGHT WARNING: Failure to comply with the above requirements may result in reduced flight stability, operational difficulties and increased risk of accidents. In addition, the product will no longer comply with C0 requirements.
- Compliance: Ensure that all local and international aviation regulations are followed when operating a drone to avoid legal liability and potential safety hazards.

Equipment for remote control of drones

1. Remote Control Model: GT6 RC
2. Applications: WiFi Drones
 - The product comes with an 'Application Manual' and is compatible with Android 6.0 and above and iOS 9.0 and above.
3. Reminder
 - Low Battery Alert: A 'beep beep beep' sound is emitted as a warning.
 - Automatic Frequency Pairing: A single 'beep' sound is emitted to indicate successful pairing.
 - Headless Mode: Short press the Headless Mode button on the remote control, and a long time 'beep' sound indicates that it enters the Headless Mode.
 - Speed mode switching: Press the speed mode button; a single 'beep' sound indicates slow mode, two 'beep beep' sounds indicate medium mode, and three 'beep beep beep' sounds indicate fast mode. Two 'beep beep beep' sounds indicate medium speed mode, three 'beep beep beep beep' sounds indicate fast mode.
 - Remote control activation: two quick 'ticks' when the remote control is switched on.

Loss of command and control link

1. The GT6 drone can fly at a maximum altitude of up to 100 metres above the take-off point. When the drone reaches this altitude, the system automatically prevents it from rising further, but it can still be operated in other directions. During flight, environmental factors or signal interference may cause the drone to lose control and descend uncontrollably, making it difficult for the pilot to effectively control the drone's ascent or other manoeuvres, thereby increasing the risk to flight safety. To ensure safety and prevent loss of the drone, users should fully understand and comply with the 100 metre altitude limit before operation. Please pay attention to your surroundings and fly in areas with strong signals to avoid flight risks.
2. The response of the drone when the remote control is disconnected:
 - The drone's indicator lights will begin to flash, followed by a slow descent of the drone.

Operator Health Precautions

1.When operating the drone, ensure that the operator (you) is awake and alert and not under the influence of alcohol, drugs or other substances. In addition, avoid flying if you feel dizzy, fatigued, nauseous, or any other health condition that may affect the safety of the operation.

Ground Services - Related Guidelines

1. Safe handling of energy storage (batteries):
- When installing and replacing batteries, ensure correct polarity and avoid using damaged or incompatible batteries.
- Use the original charging cable when charging, avoid charging near flammable materials, and ensure that the charging environment temperature is between 0° C and 40° C.
- Disconnect the power supply as soon as charging is complete to prevent overcharging.
- If the battery is swollen, leaking or otherwise abnormal, stop using it and dispose of it promptly.

2. Cleaning and maintenance:
- Regularly clean the exterior of the drone and the propellers to ensure that there is no dust, dirt or foreign matter on the unit.
- Check every part of the drone, especially moving parts and connection points, to make sure there is no wear or damage.

3. Calibrate before take-off:
- Make sure the drone is placed on a level surface before switching on the drone and remote control.
- Follow the steps in the manual for one-button calibration and frequency pairing to ensure the drone's flight attitude is accurate.

4. Use of plugs and protective covers:
- Protect electronic interfaces and plugs from dust and moisture when using and storing remote controls and other accessories.

5. Choice of flight environment:
- Choose open and unobstructed environments for your flight and avoid flying in crowded or animal-infested areas.
- Avoid flying in extreme weather conditions such as strong winds, rain, snow or extreme temperatures.

Transport and storage of drones, equipment for remote control of drones, and batteries.

1. Packaging for drones and remotes:
- Pack the drone and remote control using the original packing materials or equivalent protective materials to prevent shock or pressure damage during transport.
- Ensure that each component of the drone and remote control is securely fastened to avoid damage due to movement.
2. Safe transport of batteries:
- Avoid exposing the battery to extreme temperatures or direct sunlight to prevent overheating.
- Comply with local transport regulations, especially regarding lithium batteries.
3. Storage environment:
- Store the drone and remote control in a dry, clean and temperature-appropriate environment, avoiding humidity or extreme temperature conditions.

- Storage areas should be located away from any potential heat sources such as heaters or direct sunlight to prevent material deterioration or equipment damage.

4. Long-term battery storage:
 - If the battery is not to be used for a longer period of time, keep the battery at approximately 50% and avoid fully charging or completely discharging it.
 - Regularly check the condition of stored batteries, charging and discharging them at least once every three months to keep them active and safe.
5. Inspection and Maintenance:
 - Regularly inspect stored drones and remote controls for any signs of physical damage or abnormal functioning.
 - Ensure that all connections and interfaces are clean and dust-free to prevent corrosion or poor contact during long-term storage.

Post Flight Operations - To ensure the safety and performance of the GT6 UAV after each flight, the operator must perform a thorough visual inspection, including checking the battery and all critical components. Detailed inspection steps are listed below:

1. Battery check:
 - VISUAL INSPECTION: Remove the battery and carefully inspect the battery case for signs of damage,distortion, leakage or bulging.
 - TOUCH CHECK: Gently touch the surface of the battery to check for abnormal temperatures(too hot or too cold).
 - Connector Inspection: Check the battery connectors and wires to make sure they are intact and show no signs of looseness or poor contact.
 - Battery level check: use the battery level detector or the drone's built-in power display to check if the remaining power is normal.
2. Body check:
 - Exterior Inspection: Visually inspect the drone's fuselage for cracks, scratches, or other physical damage, especially in the arms and propeller mounting areas.
 - Structural Integrity: Gently shake the drone to check for loose parts or unusual sounds to ensure that the drone is structurally sound.
 - CAMERA INSPECTION: Inspect the surface of the drone's camera to ensure that it is clean and free of scratches or other damage to ensure proper operation.
3. Propeller check:
 - Appearance Inspection: Inspect the propeller for cracks, bends or other damage. If damaged, replace the propeller immediately.
 - INSTALLATION CHECK: Make sure the propeller is securely mounted and not loose. Check that the propeller locking mechanism is working properly.
4. Motor check:
 - Appearance Inspection: Visually inspect the motor housing for any signs of damage or deformation.
 - Rotation check: Gently manually rotate each motor to check for smooth operation and no jams or abnormal sounds.
5. Wiring and connector inspection:
 - Visual Inspection: Check all internal and external wiring and connectors of the drone to make sure there are no breaks, frays, or looseness.
 - Connector Check: Ensure that all connectors are securely connected with no signs of looseness or poor contact.
6. Remote control check:
 - Appearance check: Check the remote control case for damage or cracks.
 - FUNCTION CHECK: Switch on the remote control and check that all buttons and levers are working properly to ensure proper connection with the drone.

Summary:

By following the detailed inspection steps outlined above, operators can ensure the safety and performance of the GT6 UAV after every flight.

Regular visual inspections help to identify potential problems early, allowing for timely maintenance and repairs, ultimately extending the life of the UAV.