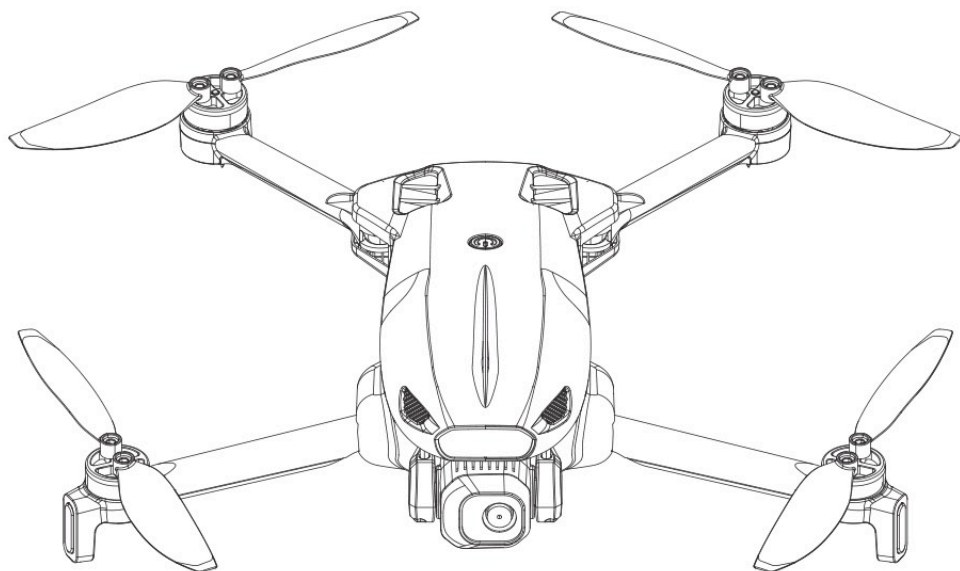


GT7 Product Manual



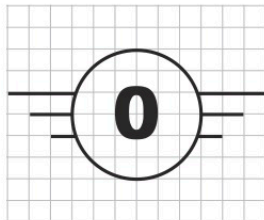
- To ensure compliance with electromagnetic environment requirements for aviation radio stations, the use of all types of model aircraft and drones is prohibited within a 10-kilometer radius on either side of the centerline of an airport runway, within a 20-kilometer radius at each end of the runway, and along civil aviation routes and airways. The use of all types of model aircraft and drones is also prohibited in no-fly zones designated by relevant national authorities.
- To ensure compliance with electromagnetic environment requirements for aviation radio stations, the use of all types of model remote controls is prohibited within a 5,000-meter radius centered on the midpoint of the airport runway. During periods when radio control orders are issued by relevant national authorities, the use of model remote controls within the designated area must be suspended as required.

Preface

Welcome to our drone user manual. This manual has been carefully prepared to ensure that you fully understand how to operate the drone and use it safely and effectively. To enhance your flying experience while complying with all safety regulations, this guide is divided into four detailed sections covering everything from basic safety knowledge to flying techniques.

GT7 Drone Features and Important Information

01. Drone Weight: 238 grams; Maximum Dimensions: 242 × 272 × 70 mm; Frequency Band: 5170 MHz – 5190 MHz
02. Options: Flight control system; Remote controller
03. Maximum Takeoff Mass (MTOM): 238 grams (including battery and propellers)
04. Maximum Flight Speed: 9 meters per second
05. Maximum Altitude: 120 meters
06. Drone Category: C0
07. The drone has no payload capacity beyond its own battery and propellers.
08. Drone Remote Control Equipment and Software: Equipment: Remote Control / Software: HFun Pro
09. Description of Drone Behavior During Data Link Loss: When the data link is lost, the drone will descend vertically to the ground.
10. Operational Restrictions: Avoid outdoor operation in strong winds or thunderstorms, and ensure that night flights remain within visual line of sight.
11. This drone is intended for use only by individuals aged 12 and older. To ensure flight safety, please avoid flying near airports, highways, train stations, subway stations, and densely populated urban areas.



Drone Manual

Part One: Safety Guidelines

It is essential to understand all safety-related information before using the drone. This section provides basic safety rules and guidelines to prevent potential injury or damage. Following these basic guidelines not only ensures your safety and that of those around you, but also protects the drone from damage.

Part Two: Introduction to Product Components

To help you become familiar with your drone, this chapter details the names, functions, and operation of various components. By learning the basics of the product's components, you can quickly diagnose issues when they arise and make more effective use of the drone's diverse features.

Part Three: Flight Tutorial

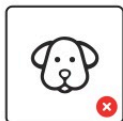
This section provides a comprehensive overview of basic setup procedures and operating techniques, helping beginners easily master drone startup and basic flight maneuvers. Once you have mastered the drone's basic operations, this section will further guide you in improving your flying skills. The content includes detailed flight procedures, operating techniques, the use of advanced features, and strategies for handling 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 carefully read every section of this manual to gain a comprehensive understanding of all the drone's features and safety measures. We hope you find flying your drone both enjoyable and safe. Thank you for choosing our product, and we wish you happy flying!

Flight Environment Requirements

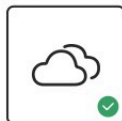
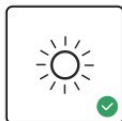
Indoor Flight

Please choose a spacious indoor area and ensure there are no obstacles, people, or pets nearby to allow for safe flight. Please ensure that infants and young children remain at a safe distance and avoid any physical contact with the drone to prevent unnecessary accidents.



Outdoor Flight

Please choose a day with clear skies and no wind or only a gentle breeze. Select a location free of obstacles, crowds, pets, pedestrians, high walls, and trees. In particular, stay away from heat sources, power lines, or electrical outlets to avoid collisions, entanglement, fires, electric shocks, and other potentially catastrophic accidents.



Precautions:

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



Pre-flight Precautions

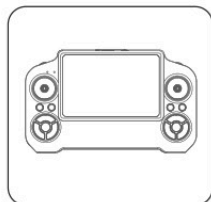
01. To avoid damaging or losing the drone due to improper operation, beginners are advised to carefully read the manual and watch the instructional videos before flying. Keep the flight distance within 98 feet/30 meters, and only attempt high-altitude flights after three days of low-altitude practice.
02. Gyro calibration must be performed before every takeoff. Otherwise, the drone may fly erratically or even become uncontrollable.
03. The maximum connection distance between the remote controller and the drone is 1,000 meters. Do not fly beyond this range, as this may cause the drone to crash or be lost due to loss of control (in non-interference mode).
04. The maximum connection distance between the video transmission system and the drone (i.e., the drone's data transmission range) is 1,000 meters. Exceeding this distance may cause issues with receiving photos, videos, and other data (in interference-free mode).
05. Keep the drone within your line of sight while flying.
06. When the drone takes off, keep a safe distance (we recommend staying more than 6.5 feet/2 meters away), and do not touch the drone during flight to avoid injury from the rapidly rotating propellers.

Drone Manual

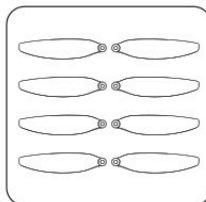
Accessories List



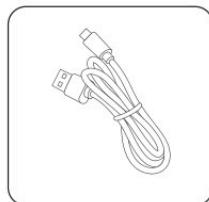
Drone (with battery)
x1



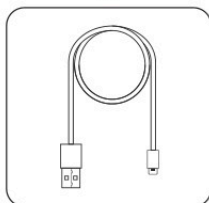
Remote Control x1



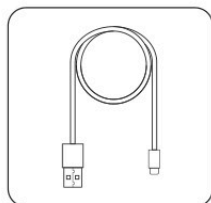
Spare Propellers: A
x4, B x4



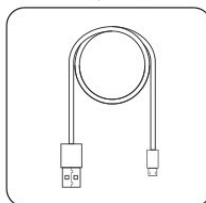
Type-C x2



Huawei Data Cable
x1



Apple charging cable
x1

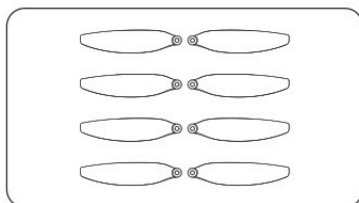


Android charging
cable x1

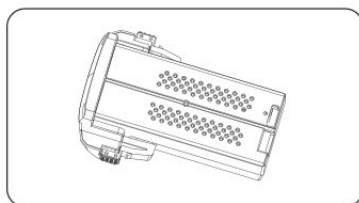
Notes:

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

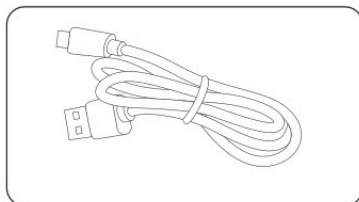
Other drone accessories are available for purchase



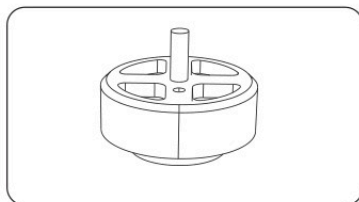
Spare propellers (Ax4, Bx4)



Batteries



USB charging cable x1



Brushless motors

Preface

Thank you for purchasing this product. To ensure you can use this drone easily and conveniently, please read this manual carefully before operating it. Please also keep this manual in a safe place for future reference regarding adjustments and repairs.

Important Notice

1. This product is not suitable for use by individuals under 12 years of age. This toy drone integrates specialized knowledge of mechanics, electronics, aerodynamics, and high-frequency transmission; proper assembly and calibration are required to prevent accidents. The owner of this product must operate and control it safely; improper operation may result in serious personal injury or property damage.
2. This product is intended for individuals aged 12 or older who have experience operating model aircraft.
3. If you encounter any issues regarding use, operation, or maintenance, please contact your local dealer or our company representatives.

Safety Precautions

When flying a remote-controlled model aircraft, be sure to stay away from crowds. Improper assembly, damage to the airframe, faulty electronic controls, and unfamiliarity with operation may all lead to unpredictable accidents such as damage to the aircraft or personal injury. Operators must pay close attention to flight safety and understand their liability for accidents caused by their own negligence.

1. Stay Away from Obstacles and Crowds

Remote-controlled aircraft have unpredictable flight speeds and trajectories, posing potential hazards. When flying, you must stay away from crowds, tall buildings, high-voltage power lines, and other obstacles. Additionally, avoid flying in adverse weather conditions such as wind, rain, or lightning to ensure the safety of the pilot, bystanders, and property.

2. Keep Away from Humid Environments

The interior of the aircraft consists of many precision electronic components and mechanical parts. Therefore, you must prevent moisture or water vapor from entering the aircraft to avoid mechanical or electronic component failures that could lead to accidents.

3. Use This Product Correctly

Please use genuine parts for repairs to ensure flight safety. Operate and use the product only within the scope permitted by its functions, and do not use it for any illegal purposes beyond the scope of safety regulations.

4. Avoid Flying Alone

Mastering the controls of a remote-controlled aircraft can be challenging at first; avoid flying alone whenever possible and seek guidance from an experienced person.

5. Operate Safely

Operate the remote-controlled aircraft according to your physical condition and flying skills. Fatigue, mental exhaustion, or improper operation will increase the risk of accidents.

6. Stay Away from High-Speed Rotating Parts

When the aircraft's rotors are spinning at high speed, pilots, bystanders, and nearby objects must stay away from the rotating parts to prevent danger and damage.

7. Stay Away from Heat Sources

Remote-controlled aircraft are composed of materials such as metal, fiber, plastic, and electronic components. Therefore, keep them away from heat sources and avoid direct sunlight to prevent deformation or damage caused by high temperatures.

Frequently Asked Questions

1. Mobile device and remote controller cannot connect

- ① Check if the signal icon status has changed

2. Video feed is choppy or the connection is prone to dropping out

- ① Adjust the antenna angle to point toward the drone, ensuring there are no obstructions in the way
- ② Change the flight location; do not fly near tall buildings or cell towers
- ③ Update the drone to the latest firmware

3. The drone hovers unsteadily

- ① Change the flying location; do not fly near tall buildings or cell towers
- ② Calibrate the drone's compass and level it
- ③ Determine if strong winds are affecting flight
- ④ Check if the propellers or arms are deformed

4. The drone's GPS accuracy is poor or it fails the GPS accuracy test

- ① Search for 8 or more GPS satellites in an open outdoor area
- ② Walk around the drone at close range
- ③ Try a different mobile device
- ④ Do not test the device under tall buildings

5. Battery cannot be charged

- ① Unplug and reinsert the charger and battery
- ② Replace the charger

6. Short flight time

Overcharging, over-discharging, or high-temperature environments can reduce flight time. It is recommended to store the battery when it is at approximately 60% charge and fully charge it before use

7. Blurry footage

- ① Check whether the lens protection film has been removed
- ② Use in well-lit conditions

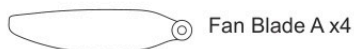
8. Lens is foggy or blurry

- ① Humid conditions may cause the lens to fog; move the drone to a different storage location
- ② Place a desiccant inside the gimbal protective cover during storage

9. Lost photos or videos

Be sure to press the "Stop Recording" button when finishing a video recording; otherwise, the video may become corrupted or lost

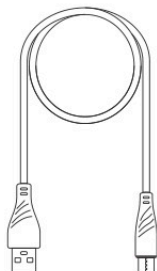
List of Accessories



Fan Blade A x4



Fan Blade B x4



Type-C Charging Cable x1



User Manual x1

Care and Maintenance

1. Clean this product with a clean, soft cloth.
2. Avoid exposing this product to direct sunlight or heat.
3. Never submerge this product in water, as this may damage the electronic components.
4. Regularly inspect the plug and other accessories; if you notice any damage, stop using the product immediately until it is fully repaired.

Drone Manual

Why does a drone lose control when using the remote controller?

1. Operator Error:

a. The operator may accidentally press the wrong button or may not yet be familiar with the directional controls of the joysticks, causing the drone to behave differently than expected.

b. The operator may confuse the drone's two control modes: normal mode and headless mode.

2. Signal Interference: If there are many wireless signals or signals from other devices nearby, they may interfere with the connection between the remote controller and the drone.

3. Low Battery Level: A low battery level in the remote controller or the drone may affect their performance, leading to unresponsive controls or delayed responses.

4. Excessive distance: If the drone flies beyond the remote controller's maximum control range, it may lose connection with the remote controller.

5. Environmental factors: Strong winds or other environmental factors may affect the drone's flight path, making it appear as if it has lost control.

6. Hardware malfunction: Certain components of the remote controller or the drone may malfunction or become damaged, preventing them from functioning properly.



If you encounter this situation, it is recommended that you find a safe location to make an emergency landing, then troubleshoot and address the issue. If possible, consider flying again in an area free of signal interference, and always ensure that the remote control and drone batteries are fully charged.

Appendix Overview

General Information

1. Item List, including compatible accessories:

- Model: GT7 Propellers; Weight (4 pairs): 7.0 grams; Dimensions: 70 mm x 7 mm x 18 mm; Maximum RPM: 11,000

- Model: GT7 Battery (Model: ZN 872868); Weight (1 unit): 86 g; Dimensions: 80 mm x 55 mm x 38.5 mm

2. Drone Bundle List:

- Bundle 1: GT7, GT7 Remote Control
Remote control auto-pairs; manual mode.

- Bundle 2: GT7, Mobile App (Wi-Fi Drone)

App Pairing: Automatically pairs with the drone after tapping the control button in the app; manual mode.

3. Distinguishing Similar Products from the Same Manufacturer:

- Similar products manufactured by the same manufacturer can be distinguished by their model numbers and exterior colors.

MTOM Statement

1. The GT7's Maximum Takeoff Mass (MTOM) includes the airframe, propellers, battery, and propeller guards, with a total weight of 238 grams, which complies with Category C0 standards. No additional payload is included.

2. To ensure your GT7 drone complies with Category C0 requirements, it is essential to adhere to the maximum takeoff weight regulations. Users must follow these instructions:

- Calculating Takeoff Weight: Before takeoff, add the drone's weight (including the battery and any installed accessories) to the estimated additional payload.

- Overweight Warning: Failure to comply with the above requirements may result in reduced flight stability, operational difficulties, and an increased risk of accidents. Additionally, the product will no longer meet C0 requirements.

- Compliance: When operating the drone, ensure compliance with all local and international aviation regulations to avoid legal liability and potential safety hazards.

Drone Manual

Equipment for Remotely Controlling the Drone

1. Remote Control Model: GT7 RC
2. App: HFun Pro
 - The product comes with an "App Manual," compatible with Android 8.0 and later, and iOS 12.0 and later.
3. Reminder Notes
 - Low Battery Alert: Emits a "beep beep beep" sound as a warning.
 - Automatic Frequency Pairing: Emits two "beep beep" sounds to indicate successful pairing.
 - Headless Mode: Briefly press the Headless Mode button on the remote control; the drone's lights will flash, indicating that Headless Mode has been activated.
 - Speed Mode Switch: Press the Speed Mode button; a single "beep" indicates Slow Mode, two "beep beep" sounds indicate Medium Mode, and three "beep beep beep" sounds indicate Fast Mode.
 - Remote Control Activation: The indicator light flashes when the remote control is turned on.

Loss of Command and Control Link

1. The GT7 drone has a maximum flight altitude of 50 meters above the takeoff point. When the drone reaches this altitude, the system automatically prevents it from ascending further, though 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 maneuvers, thereby increasing flight safety risks. To ensure safety and prevent loss of the drone, users should fully understand and comply with the 50-meter altitude limit before operation. Please be aware of your surroundings and fly in areas with strong signal reception to avoid flight risks.
2. Drone response when the remote control disconnects:
 - The drone's indicator light will begin to flash, and the drone will then descend slowly.

Operator Health Precautions

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

Drone Manual

Ground Services - Related Guidelines

1. Safe Handling of Energy Storage (Batteries)

- When installing or 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 the ambient temperature during charging is between 0°C and 40°C.
- Disconnect the power immediately after charging is complete to prevent overcharging.
- If the battery shows signs of swelling, leakage, or other abnormalities, stop using it immediately and handle it appropriately.

2. Cleaning and Maintenance:

- Regularly clean the drone's exterior and propellers to ensure the device is free of dust, dirt, or foreign objects.
- Inspect every part of the drone, especially moving parts and connection points, to ensure there is no wear or damage.

3. Pre-flight Calibration:

- Before turning on the drone and remote controller, ensure the drone is placed on a level surface. Follow the steps in the manual to perform one-touch calibration and frequency pairing to ensure the drone's flight attitude is accurate.

4. Use of Connectors and Protective Covers:

When using or storing the remote controller and other accessories, protect electronic interfaces and connectors from dust and moisture.

5. Choosing a Flight Environment:

Select an open, unobstructed environment for flight, and avoid flying in areas with dense crowds or where animals are present. Avoid flying in extreme weather conditions, such as strong winds, rain, snow, or extreme temperatures.

Transportation and storage of the drone, remote control equipment, and batteries.

1. Packaging of the Drone and Remote Control:

- Use the original packaging materials or equivalent protective materials to pack the drone and remote control to prevent damage from impact or pressure during transport.
- Ensure that every component of the drone and remote control is securely fastened to prevent damage caused by movement.

2. Safe Transport of Batteries:

- Avoid exposing batteries to extreme temperatures or direct sunlight to prevent overheating.
- Comply with local transportation regulations, particularly those regarding lithium batteries.

3. Storage Environment:

- Store the drone and remote controller in a dry, clean, and temperature-controlled environment, avoiding humidity or extreme temperatures.
- Keep the storage area away from any potential heat sources, such as heaters or direct sunlight, to prevent material degradation or equipment damage.

4. Long-Term Battery Storage:

- If the battery will not be used for an extended period, maintain the charge level at approximately 50% to avoid fully charging or fully discharging it.
- Periodically check the condition of stored batteries and charge and discharge them at least once every three months to maintain battery health and safety.

Drone Manual

5. Inspection and Maintenance:

- Periodically inspect stored drones and remote controls for any signs of physical damage or malfunction.
- Ensure that all connections and ports are clean and free of dust to prevent corrosion or poor contact during long-term storage.

Post-Flight Procedures – To ensure the safety and performance of the GT7 drone after each flight, the operator must conduct a comprehensive visual inspection, including checks of the battery and all critical components.

Detailed inspection steps are as follows:

1. Battery Inspection:

- Visual Inspection: Remove the battery and carefully inspect the battery casing for signs of damage, deformation, leakage, or swelling.
- Touch Inspection: Gently touch the battery surface to check for abnormal temperatures (overheating or excessive cold).
- Connector Inspection: Inspect the battery connectors and wires to ensure they are intact and show no signs of looseness or poor contact.
- Battery Charge Level Check: Use a battery charge level detector or the drone's built-in charge display function to verify that the remaining charge is normal.

2. Airframe Inspection:

- Visual Inspection: Visually inspect the drone's airframe for cracks, scratches, or other physical damage, particularly on the arms and propeller mounting points.
- Structural Integrity: Gently shake the drone to check for loose parts or unusual noises, ensuring the drone's structure is secure.
- Camera Inspection: Inspect the surface of the drone's camera to ensure it is clean and free of scratches or other damage, guaranteeing normal operation.

3. Propeller Inspection:

- Visual Inspection: Check the propellers for cracks, bends, or other damage. Replace immediately if damaged.
- Propeller Mounting Inspection: Ensure the propellers are securely mounted and do not wobble. Check that the propeller locking mechanism is functioning properly.

4. Motor Inspection:

- Visual Inspection: Visually inspect the motor casings for any signs of damage or deformation.
- Rotation Check: Gently rotate each motor by hand to check that it runs smoothly, without any binding or unusual noises.

5. Wiring and Connector Inspection:

- Visual Inspection: Inspect all internal and external wiring and connectors on the drone to ensure there are no breaks, damage, or loose connections.
- Connector Inspection: Ensure all connectors are securely connected, with no signs of looseness or poor contact.

6. Remote Control Inspection:

- Visual Inspection: Check the remote control casing for damage or cracks.
- Functionality Check: Turn on the remote control and verify that all buttons and control sticks are functioning properly, ensuring a normal connection with the drone.

Summary:

By following the detailed inspection steps outlined above, operators can ensure the safety and performance of the GT7 drone after every flight. Regular visual inspections help identify potential issues early, allowing for timely maintenance and repairs, which ultimately extends the drone's service life.

***All information in this manual has been carefully proofread to ensure accuracy. However, in the event of any printing errors or omissions, the company reserves the right of final interpretation.**