

GT8 Quadcopter

Your personal photographer...

Drone User Manual



Please keep the user manual
For reference for daily maintenance and adjustments!



Scan the code to watch the operation video

User Notice

Note: This device 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 move the receiving antenna.
- Increase the separation between the device and the receiver.
- Plug the device 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.

Important:

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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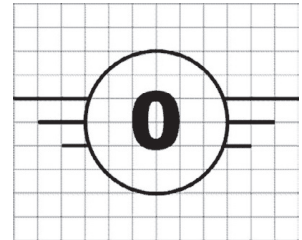
GT8 Drone Manual

Foreword

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

- Features and important information of GT8 PRO drone

1. Drone weight: 177g
2. Drone maximum take-off mass (MTOM): 177g
(Including batteries, propellers, and obstacle avoidance modules.)
3. Drone maximum flight speed: 9m/s
4. Maximum reachable altitude: 30m
5. Drone category: C0
6. Drone has no payload capacity
7. Drone remote control equipment and software: Remote control/software: WiFi drone
Remote controller Model: GT8 Model Firmware Version: 【V1.0】
Hardware Version: 【V1.1】 Operating Frequency: 【2453MHZ - 2477MHZ】
8. Description of drone and drone behavior when data link is lost: When data link is lost, the drone will land vertically on the ground.
9. Operation restrictions: Avoid outdoor operation in strong wind or thunderstorm conditions, and ensure night flight within visual range.
10. This drone is only suitable for individuals aged 12 and above. To ensure flight safety, avoid flying near airports, highways, train stations, subway stations and densely populated urban areas.



GT8 Drone Manual

Part I: Safety Guide

Before starting to use the drone, it is important to understand all safety-related information. This section provides basic safety rules and guidance to prevent potential injuries or damage. Following these basic guidelines will not only ensure the safety of you and those around you, but also protect your drone from damage.

Section II: Product Components

To familiarize you with your drone, this chapter details the names, functions, and operations of the various components. By learning the basics of the product components, you can quickly diagnose problems when they occur and use the drone's diverse features more effectively.

Section III: Flight Tutorials

This section provides a comprehensive overview of the basic setup steps and operating tips, designed to help beginners easily master the activation and basic flight maneuvers of the drone. Once you have mastered the basic operation of the drone, this section will further guide you to improve your flying skills. Content includes detailed flight procedures, operating tips, use of advanced features, and strategies for dealing with potential emergencies. Whether you are just starting to learn or an experienced pilot, these in-depth tutorials will provide valuable guidance and advice.

- We urge you to read each section of this manual carefully to fully understand all the functions and safety measures of the drone. We hope you will find fun and safety when using your drone. Thank you for choosing our product and wish you a happy flight!

Safety Guide Instructions

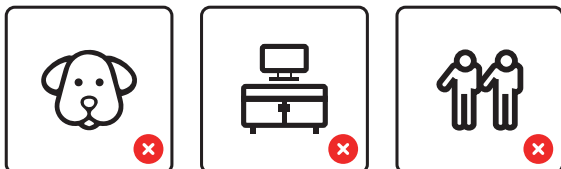
1. Keep small accessories of the aircraft out of the reach of children.
2. This aircraft is very powerful. When flying for the first time, please push the left joystick slowly to prevent the aircraft from rising too fast and causing unnecessary collisions and injuries.
3. When the flight is over, please turn off the power switch of the remote controller first, and then turn off the power switch of the aircraft.
4. Do not place the aircraft battery in a high temperature environment or near flammable and explosive items.
5. To ensure safety and prevent injuries, please keep the aircraft 4.5 meters away from people.
6. This aircraft is suitable for people aged 12 and above, and ensure safe flight within the operator's (instructor's) line of sight.
7. If the remote control is a non-rechargeable battery, do not charge it. The aircraft must be used with the factory battery.
8. When the aircraft is not used for a long time, please remove the batteries in the aircraft and the remote control.
9. Do not cause a short circuit during the charging process.
10. If you do not use the aircraft for more than 10 days, please discharge the aircraft battery to 40-50% (fly half the flight time when fully charged), which will greatly extend the battery life.
11. To prevent injury, please keep a safe distance from the rotating propeller.
12. In order to comply with the electromagnetic environment regulations of the National Aviation Radio (Station), it is prohibited to use remote control radio within 5,000 meters from the airport runway. All operators should also comply with the broadcast regulations formulated by the certificate and relevant regulatory agencies, including flight time and area.
13. Please assemble the drone under adult supervision.
14. The operator is responsible for safe flight and safe distance. Do not hover over a crowd (more than 12 people).

Safety Guide

Flight Environment Requirements

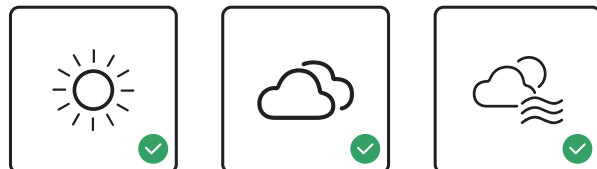
Indoor flight:

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



Outdoor flight:

Please choose a clear, windless or breezy weather. Choose a location without obstacles, crowded people, pets, passers-by, high walls and trees. In particular, stay away from thermals, wires and electronic power supplies to avoid collisions, entanglement, fire, electric shock and other potential catastrophic accidents.



⚠ Precautions:

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



Precautions before flight

1. To avoid damage or loss of the drone due to improper operation, beginners are advised to read the instructions carefully and watch the instructional video before flying. Keep the flight distance within 98 feet / 30 meters, and only try high-altitude flight after three days of low-altitude flight practice.
2. Gyro calibration must be performed before each takeoff. Otherwise, the drone may fly unsteadily or even lose control.
3. To ensure a stable connection (WIFI connection) between the APP and the drone during flight, it is recommended to turn off the option to automatically connect to a strong signal nearby WIFI network in the WLAN settings of the mobile phone.
4. Make sure the positive and negative poles of the battery are installed correctly. Avoid using high-voltage batteries.
5. When operating with the remote control:
 - If the APP is not connected, the shooting function will not be available, but all flight functions of the remote control can still be used normally.
 - If the APP is connected, the shooting function can be used, and the APP can assist in viewing the camera screen in real time.
6. If you plan to operate the drone through the APP:
 - The remote control must be disconnected first; otherwise, the APP control function will be disabled.
 - The APP control function includes basic flight direction control and intelligent flight features such as following the palm, following pedestrians, trajectory flight, and gravity control.
 - It is not recommended to use the APP instead of the remote control to operate the drone. Using the APP to control the drone is not as flexible as using the remote control, and the effective distance of the APP control is less than the effective distance of the remote control operation.
7. The maximum connection distance between the remote controller and the drone is 230 feet / 70 meters. Do not fly outside this range, as this may cause the drone to crash or be lost due to loss of control.
8. The maximum connection distance between the APP and the drone (i.e. the drone's WIFI data transmission range) is 98 feet / 30 meters. Exceeding this distance may cause problems with receiving photos, videos, etc.
9. When flying, please keep the drone within sight.
10. When the drone takes off, please keep your distance (it is recommended to keep a distance of more than 6.5 feet / 2 meters) and do not touch the drone during flight to avoid being hurt by the fast-spinning propellers.

Product Component Introduction

Aircraft Parts



LCD screen

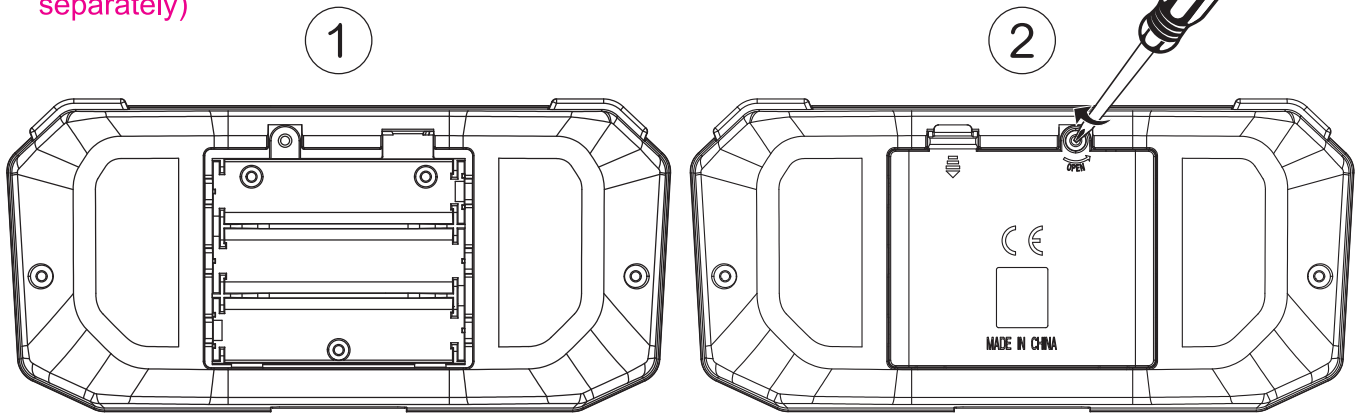
 Note: The display shows 100% when fully charged, and the drone will start to show low power when it is used to about 40%. When the power is used to 10%, the drone will automatically come down, but it will show 40% when it is restarted. At this time, you need to fully charge it again before using it.

Aircraft parts

- | | | |
|----------------|---------------------------|------------------|
| 1 Power switch | 5 Arm | 9 Front camera |
| 2 Upper shell | 6 Battery | 10 Bottom camera |
| 3 Lower shell | 7 Motor | 11 LCD screen |
| 4 Propeller | 8 Obstacle avoidance head | |

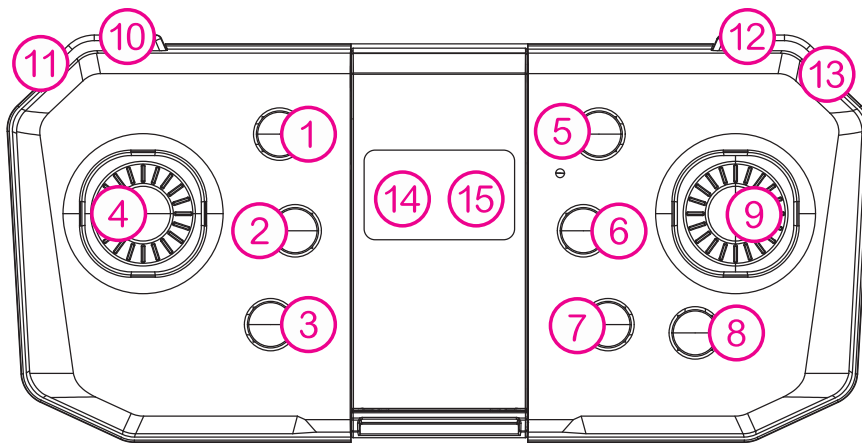
Remote controller battery installation

Open the battery cover and remove it. Install 3 "AA" batteries according to the correct polarity. The battery installation direction is shown in the figure. Cover the battery cover and tighten the screws. (Remote control batteries need to be purchased separately)



Remote control

Introduction to the function keys of the remote control



- | | | |
|---|--|------------------------------|
| ① Headless mode | ⑥ Obstacle avoidance | ⑪ Speed switch |
| ② Unlock | ⑦ Gyro calibration | ⑫ Adjust the camera upward |
| ③ One-button takeoff/landing | ⑧ Power switch | ⑬ Adjust the camera downward |
| ④ Ascend/descend/
Turn left/turn right | ⑨ Forward/backward/
fly left/fly right | ⑭ Over-distance prompt |
| ⑤ Roll | ⑩ Short press to take photos/
long press to record videos | ⑮ Low battery reminder |

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Accessory list



Aircraft (including battery) x1



emote control x1



Spare propellers A×4 B×4



USB charging cable x1



Obstacle avoidance head x1

⚠ Note:

If you purchased the dual-battery version, the package will include 1 additional spare battery. If you purchased the 3-battery version, the package will include 2 additional spare batteries.

Other drone accessories available for purchase



Spare propellers A×4 B×4



Batteries



USB charging cable x1



Drone optical flow dual camera



Drone front arm A



Drone front arm B

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Drone rear arm A



Drone rear arm B



Obstacle avoidance head

If a drone part is damaged or you wish to have additional spare parts, you can purchase the accessories listed above separately.

In addition, we have provided links to purchase additional drone accessories as well as installation tutorials. If you need more detailed information, please feel free to contact us.

Preparing for flight

 Please undergo flight training or training first (guided by professionals, etc.). Please choose a suitable flight environment when flying.

Pre-flight check

Please check the following items before flying

- (1) Whether the batteries of the aircraft and remote controller are fully charged.
- (2) Whether the blades are installed correctly and without damage.
- (3) Whether the blades can start normally after powering on.
- (4) Whether the aircraft has successfully completed gyro calibration.
- (5) Whether the aircraft is successfully connected to the mobile phone software and whether images and information are transmitted back.
- (6) Whether the surrounding environment meets the flight requirements.

 Note: Check that the aircraft's folding arms are fully opened.

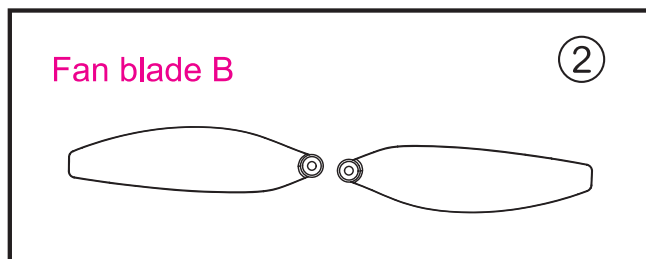
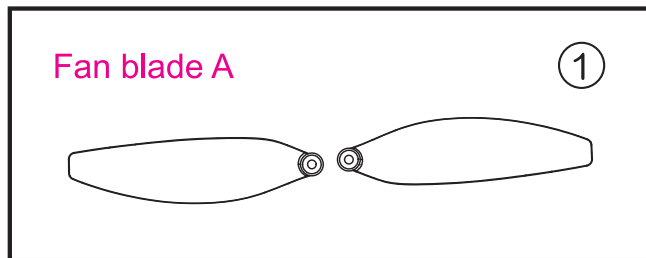
Aircraft

Aircraft Description

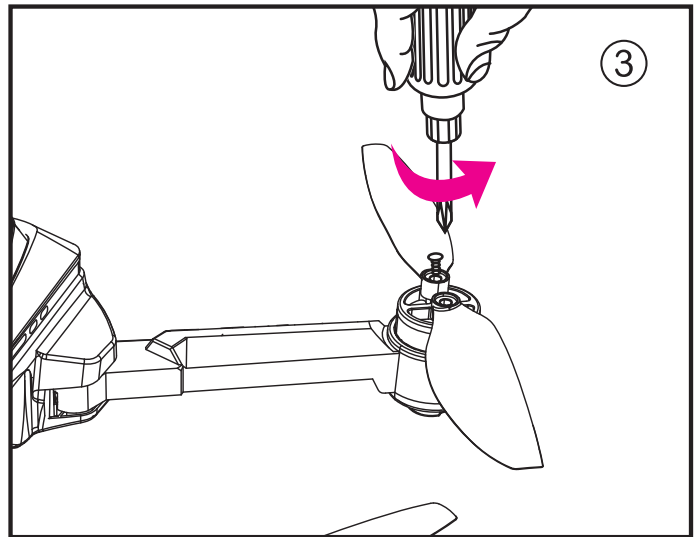
This aircraft has good controllability and stability, real-time image transmission, information return, mobile phone control, photo and video recording, gesture recognition, trajectory flight, headless flight mode and other functions, and has a low battery alarm prompt.

Installation and replacement of fan blades

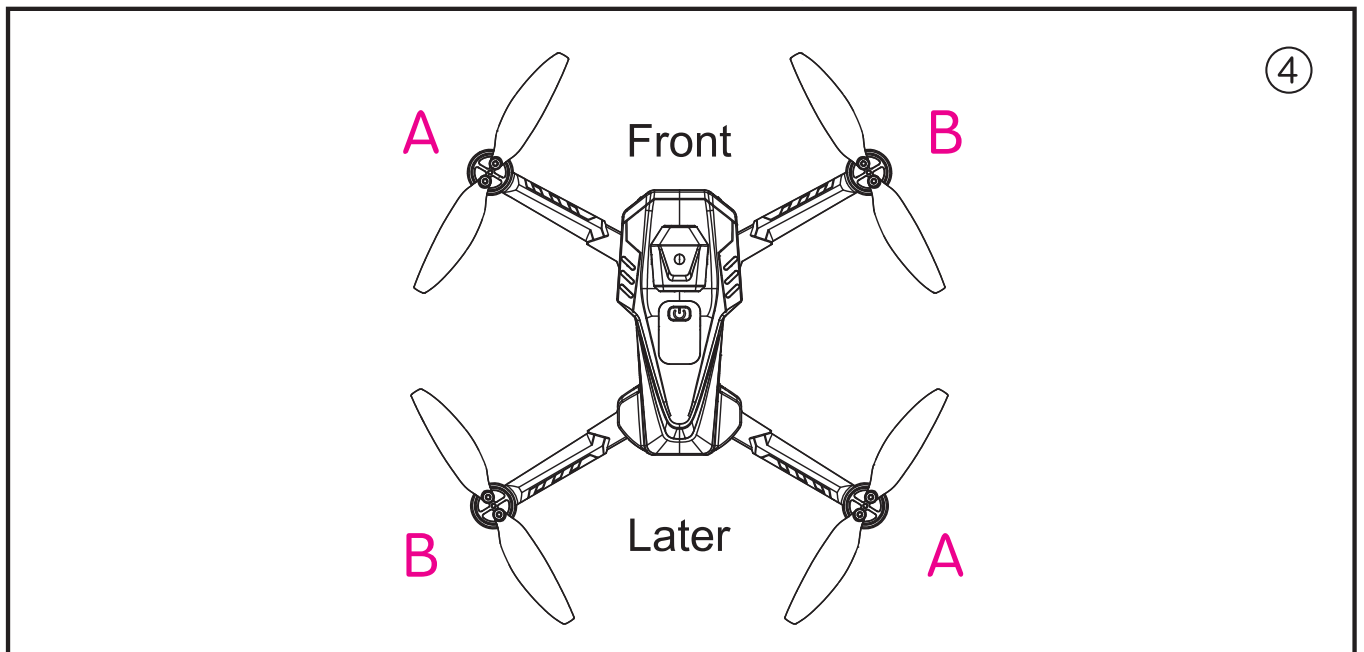
The fan blades used in this product are divided into **A and B fan blades**. If damaged, please use the spare fan blades in the accessory bag to replace them.



(1) As shown in the figure, please carefully distinguish the A and B models corresponding to the fan blades during the first installation.



(2) Referring to Figure 3, use the provided screwdriver to unscrew the fan blade to be replaced, remove the original fan blade, install the new fan blade to be installed, and tighten the screws again.

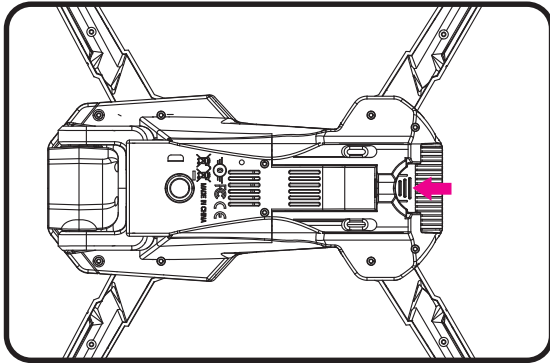


(3) Referring to Figure 4, please check whether the model of the fan blade on the aircraft is consistent with the picture. The fan blade needs to be installed in the correct position, otherwise the aircraft will not be able to fly normally.

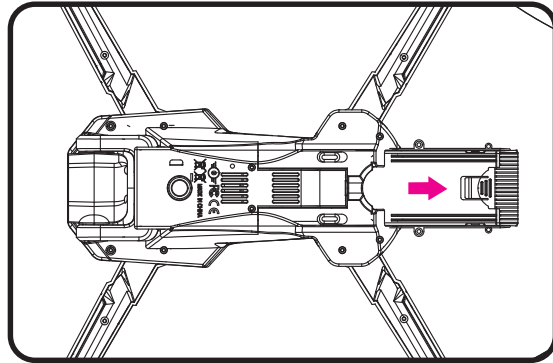
Charging method of the fuselage

Please fully charge the battery when using it for the first time

The lithium battery used in this product is a 3.7V battery with charge and discharge management function. The battery must be charged using the factory-configured dedicated charging cable.

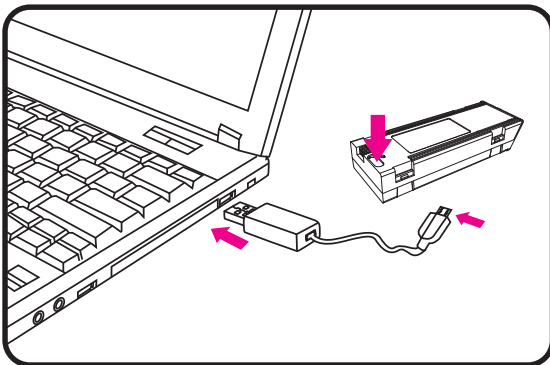


A. Press the buckle button

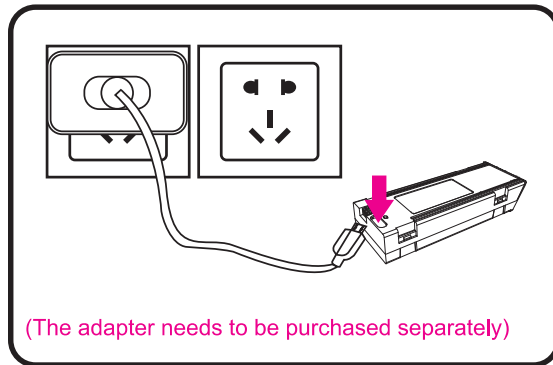


B. Remove the battery backwards

Charging method:



Method 1: Connect the USB charger to the USB charging port.



Method 2: Insert the plug into the socket and connect the battery plug to the charger female plug.

⚠ GTB battery is red when charging, and green when charging

⚠ Precautions:

Please use a charger with an output voltage less than or equal to 5V.

Safety precautions:

1. There are inherent risks in using lithium batteries, which may cause significant harm to people and property. Please use with caution and assume all related responsibilities.
2. If the battery leaks, avoid contact between the liquid and the skin and eyes. If it comes into contact with the skin, wash it immediately with soap and water. If it comes into contact with the eyes, rinse it immediately with plenty of cold water and seek medical help.
3. If the charger emits a suspicious odor, abnormal noise or smoke, disconnect the power supply immediately.
4. Do not charge a swollen, leaking or damaged battery.
5. Avoid overcharging. Once the battery is fully charged, disconnect the charger.
6. Do not charge near flammable materials (such as carpets, wooden floors, solid wood furniture, etc.) or on conductive surfaces. Keep the battery within sight while charging.
7. Do not charge the battery immediately after use if it is still hot.
8. The battery should be charged within a temperature range of 0°C to 40°C (32°F to 104°F).

Drone manual

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device can be used in portable exposure condition without restriction.