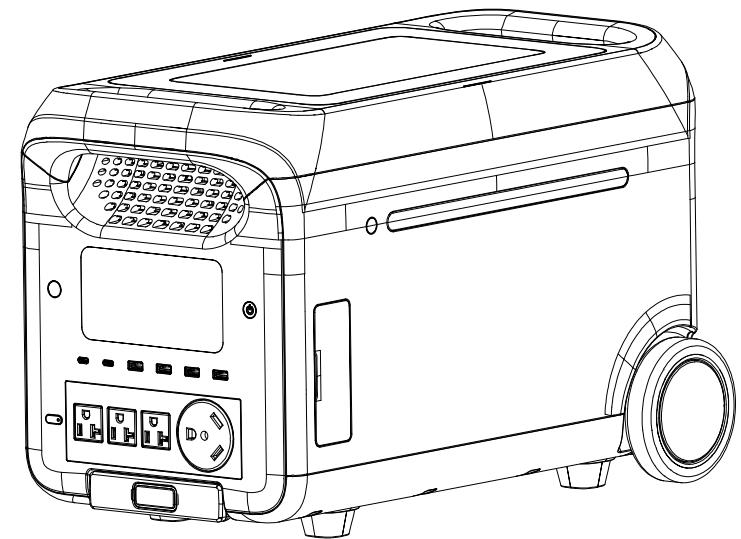


**GC3000L**

# **User Manual**



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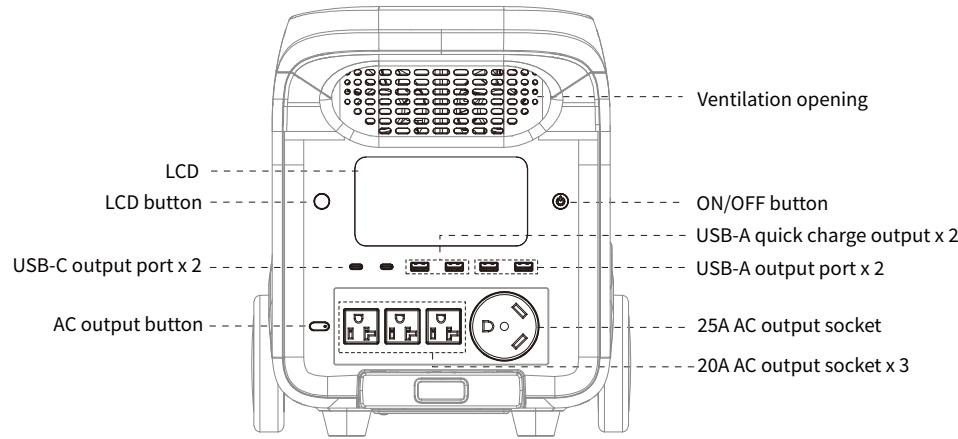
### 7. Maintenance

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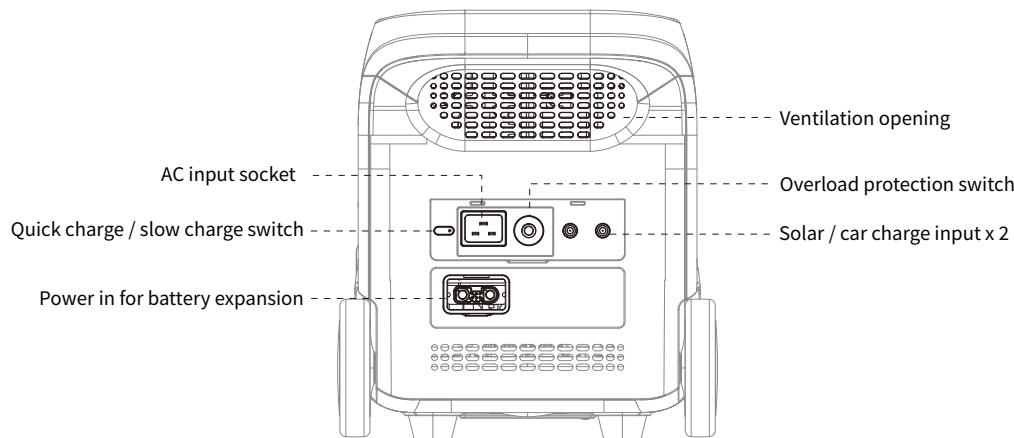
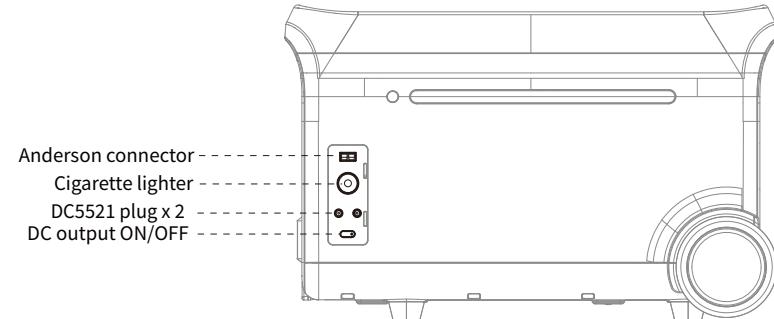
### 3. Guideline for users

#### 3.1 Product overview



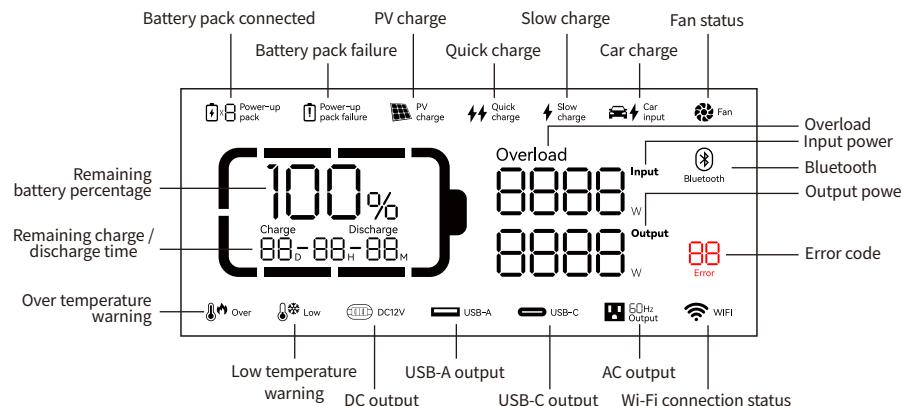
### 3. Guideline for users

#### 3.1 Product overview



### 3. Guideline for users

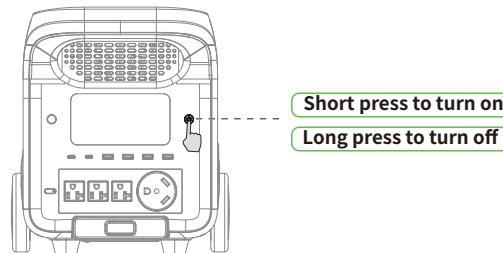
#### 3.2 LCD screen



**Battery capacity:** When GC3000L is being charged, SOC icon will flicker. **Wi-Fi connection status:** The flickering icon indicates that GC3000L is ready for pairing. The icon will keep flickering if a mobile phone and GC3000L are connected by hotspot. After network connection succeeds, the icon will always be on. If connection fails, the icon will be off.

\* Please refer to clause 5 for more details regarding error message.

#### 3.3 Use

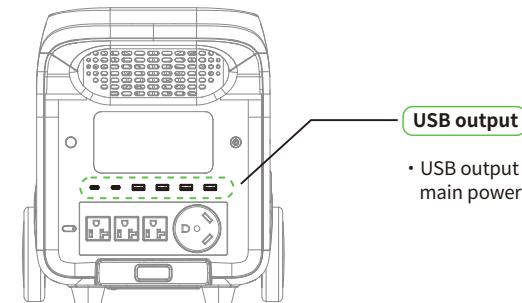


##### On and off

- Press the main power switch to turn on the device, then the screen will be lit and the main power indicator will enter the breathing light mode.
- If no operation is performed to GC3000L for 5 minutes, GC3000L hibernation state and the LCD will automatically turn off. When there is load change or operation to GC3000L, the LCD screen will be automatically lit. Press the main power switch to turn on or turn off the LCD.
- Press and hold the main power switch will turn off GC3000L.
- The default standby time is 2 hours. If other output power switches are not turned on and not any loads are connected, GC3000L will automatically shut down after 2 hours. Standby time can be set on the APP.

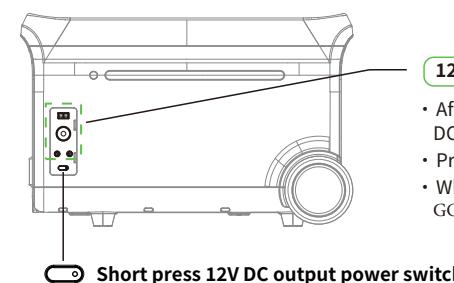
### 3. Guideline for users

#### 3.3 Use



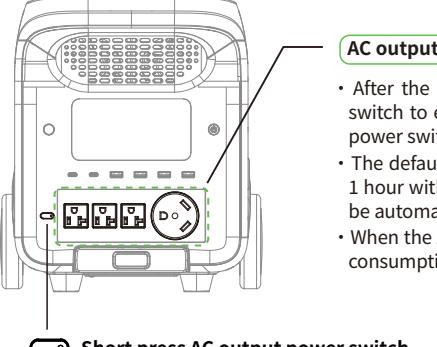
##### USB output

- USB output is enabled by default after the main power switch is turned on.



##### 12V DC output

- After the main power switch is turned on, press the 12V DC output power switch to enable the DC output port.
- Press the 12V DC output power switch again to turn it off.
- When the 12V DC output power switch is turned on, GC3000L does not shut down automatically.



##### AC output

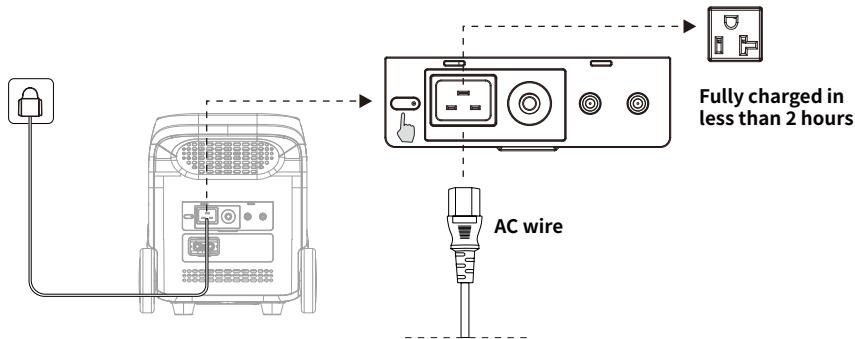
- After the main power is on, press the AC output power switch to enable the AC output port. Press the AC output power switch again to turn it off.
- The default standby time of the AC output is 1 hour. After 1 hour without any loads, the AC output power switch will be automatically off.
- When the AC output is not in use, turn it off to save power consumption.

##### Short press AC output power switch

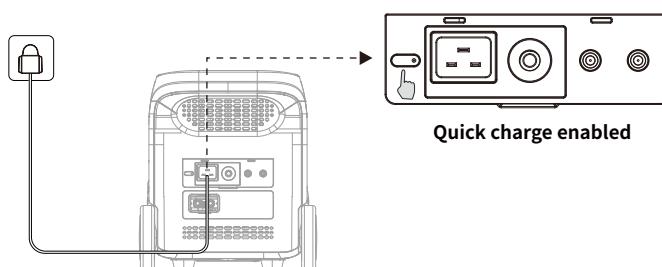
### 3. Guideline for users

#### 3.4 AC charging

Quick charging technology is designed for AC charging. You can control the charging power via the AC charging speed switch. The slow charge mode is on by default when GC3000L is turned on, and can be switched to quick charge mode by the button. Quick and slow charging mode switching can also be set by APP. If the current is continuously higher than 20A, the charging input port will start the self-protection function, and the charging overload protection switch will automatically trip. Press the charge overload protection switch to restore charging after confirming no fault.



Quick charge and slow charge can be switched by the button.

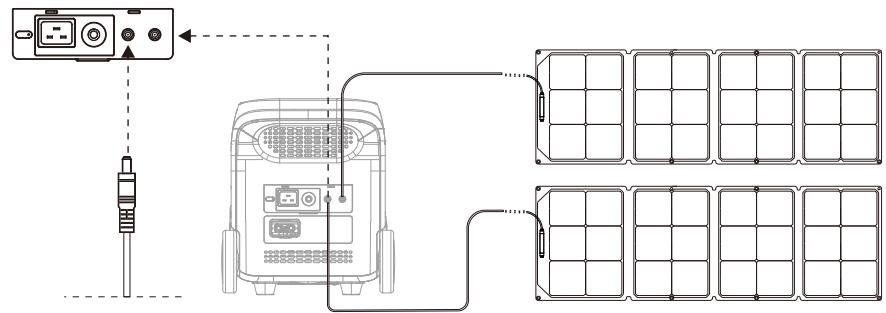


The charging power range can be adjusted by APP.

Please use the standard AC charging Cable for fast charging. AC Charging Cable should directly plug into 15A (or above) wall-mounted socket. We take no responsibilities for any damage caused by using unofficial AC charging cable, and other failures to follow instructions.

### 3. Guideline for users

#### 3.5 PV charging



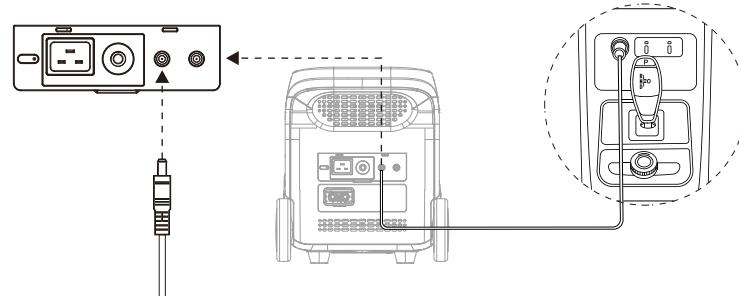
Users can use solar panels to charge GC3000L as shown in the picture. **Dual solar panels supported.**

#### \*Solar charging cable (DC7909)

- Please follow the user manual to connect the solar panels.
- Before connecting the solar panel, check whether its output voltage is within SR03KWL-SG1-US specifications to avoid damage to GC3000L.

#### 3.6 Car charging

GC3000L can be charged by a car charging port. It should be charged after the car starts, so as to avoid the car battery loss and failure to start. At the same time, ensure good connection between the car charging port and cigarette lighter. We take no responsibilities for any loss caused by improper operation.



### 3. Guideline for users

#### 3.7 Battery expansion

GC3000L supports connection with 6 expansion battery packs at the same time for larger capacity. Please refer to the user manual of battery pack for details.

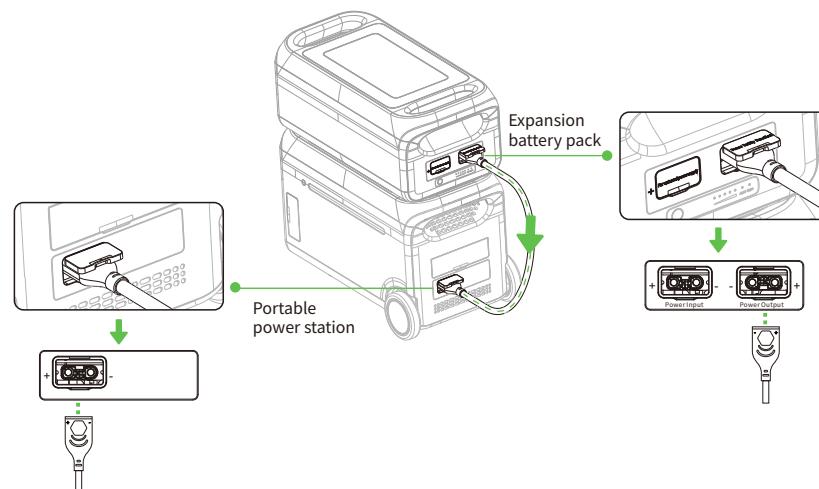
##### Notes

1. Before connecting the battery pack, please make sure both GC3000L and battery pack are off.
2. After the battery pack is connected, check if battery icon is shown in the displays of both GC3000L and battery pack.
3. While in charging, please do not connect or remove the battery pack. If connection or need to connect or remove it, turn off GC3000L prior to operation.

4. Please do not touch the metal terminals. If there is foreign matter on the metal terminals, clean it with a dry cloth gently and carefully.

#### Scenario 1

- ① Turn off the power station and expansion battery pack.
- ② Plug one end of the cable to expansion port of power station, the other end to Power Output of battery pack.
- ③ After parallelization, press power button  of power station to enable the power station and battery pack to show current capacity. The power station shows the paralleled quantity, and capacity is expanded.
- ④ After parallelization, connect ports of the power station for charging or discharging (refer to clause 3.3, 3.4, 3.5 and 3.6).

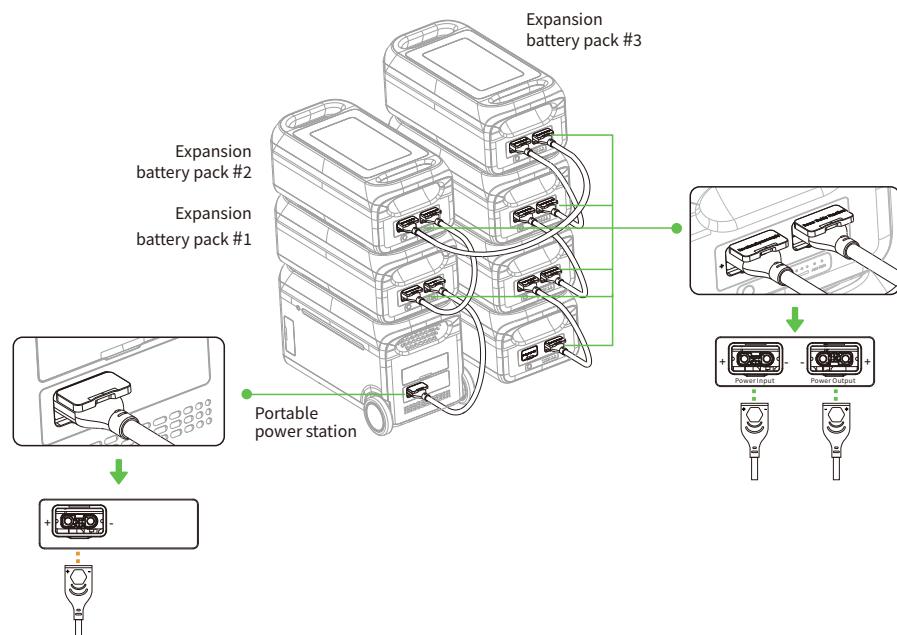


**Remark:** There are + and – symbols on battery packs and cables in case of reverse polarities.

### 3. Guideline for users

#### Scenario 2

- ① Turn off the power station and expansion battery packs.
- ② Plug one end of cable #1 to expansion port of power station, the other end to Power Output of battery pack #1. Plug one end of cable #2 to Power Input of battery pack #1, the other end to Power Output of battery pack #2. Plug one end of cable #3 to Power Input of battery pack #2, the other end to Power Output of battery pack #3. 6 battery packs can be parallelized at most.
- ③ After parallelization, press power button  of the power station to enable the power station and battery packs to show current capacity. The power station shows the paralleled quantity, and capacity is expanded.
- ④ After parallelization, connect ports of the power station for charging or discharging (refer to clause 3.3, 3.4, 3.5 and 3.6).



**Remark:** There are + and – symbols on battery packs and cables in case of reverse polarities.

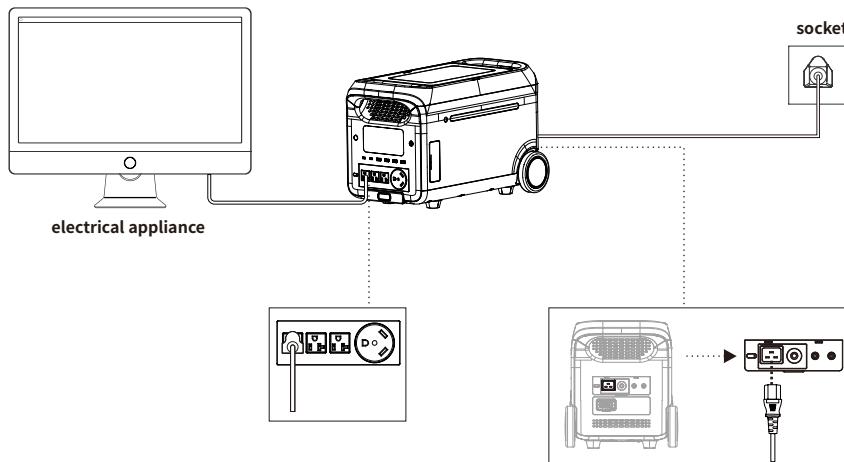
### 3. Guideline for users

#### 3.8 APP

You can control and view information and data about this product by App.

#### 3.9 UPS function

This product supports the UPS function. When you connect the electrical appliance with GC3000L by AC cable, the output enables the appliance to work. In such case, power is from grid instead of battery. When power grid is off, the power station can switch to battery-supplying mode within 14mS. Such function is unprofessional UPS, which does not support switch in 0mS, so do not connect it to equipment with strict UPS requirement, such as data server and workstation or please confirm compatibility after tests, and suggest only use one device instead of multiple devices at the same time so as not to cause overload to the power station. We shall not be liable for abnormal work or data loss arising from operation not following this user manual.



### 4. FAQs (Frequently Asked Questions)

#### 1. What kind of battery is used?

Lithium iron phosphate battery (LiFePO<sub>4</sub>).

#### 2. What equipment can be connected to the AC output ports?

The AC output has high rating power and maximum power, which enables it to supply power to most household appliances. Suggest check the equipment power prior to connecting and make sure power of all equipment lower than rated power.

#### 3. How to know the supply time?

Time shows in the LCD, which can be referred to for estimation for equipment with stable power consumption.

#### 4. How to know it is charging?

When in charge, the LCD shows remaining charging time. The SOC flickers, and input power is shown.

#### 5. How to clean the unit?

Clean the unit with a dry, soft and clean cloth or tissue.

#### 6. How to store the unit?

Turn it off, and keep it in a dry and ventilated place. Do not expose it close to water. For long-term storage, suggest discharge to 0% and charge to 100% every 3 months to extend the service life.

#### 7. Can it be taken on board?

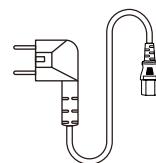
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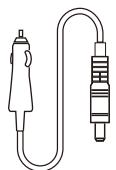
## 6. What's in the box



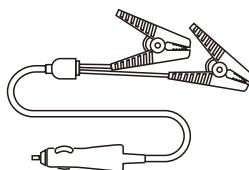
GC3000L



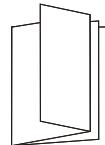
AC cable



Car charge cable



Car battery jumper cable



User manual

## Disclaimer

Before using the power station GC3000I, please read this user manual to ensure understanding and proper use. After reading the user manual, please keep it well for future reference. Improper operation may cause serious injury to yourself or others, or result in product damage and property loss. Once using GC3000I, you are deemed to have understood and accepted all terms and contents herein. Users promise to be responsible for their actions and all consequences arising therefrom. We shall not be liable for any loss arising from user's not following this user manual.

In compliance with laws and regulations, the company reserves the right of final interpretation of this document and all related documents of this product. Subject to update, revision or termination without prior notice, please visit the official website for the latest product information.

### ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.  
2. This device must accept any interference, including interference that may cause undesired operation of the device.  
This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body  
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps

### 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.
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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