

# 说明书制作要求

## 此页不印刷

| 客户文件编码 |     |      |               |        |
|--------|-----|------|---------------|--------|
| NO.    | 版本号 | 修改日期 | 变更/修改内容 (ECN) | 修订/审核人 |
| 1      |     |      |               |        |
| 2      |     |      |               |        |
| 3      |     |      |               |        |

印刷内容：YN-500 说明书-(美规)

产品规格：

产品版本：G500M V1.2.07

物料编码：3.06.03.0374

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文件尺寸：142\*210mm

印刷尺寸：142\*210mm

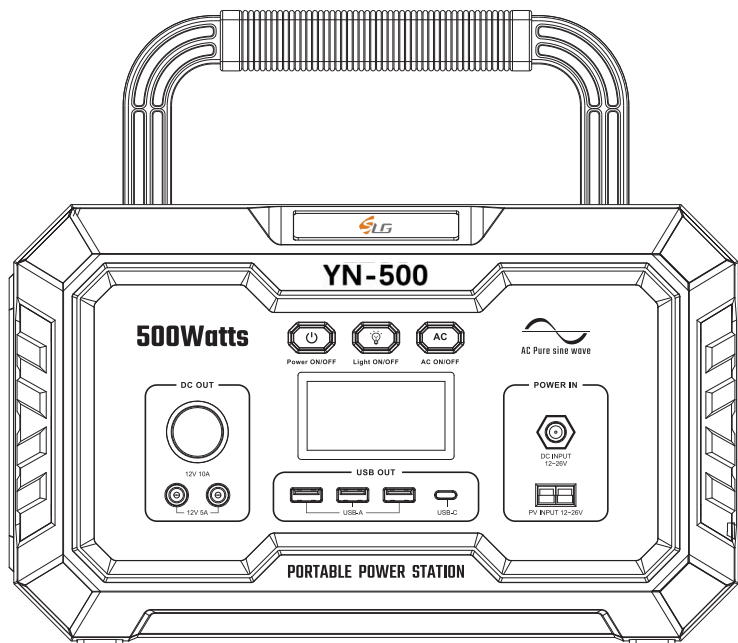
钉装：骑马钉 16P

材质：128g/157g 双铜纸

单黑印刷



# YN-500



## USER MANUAL

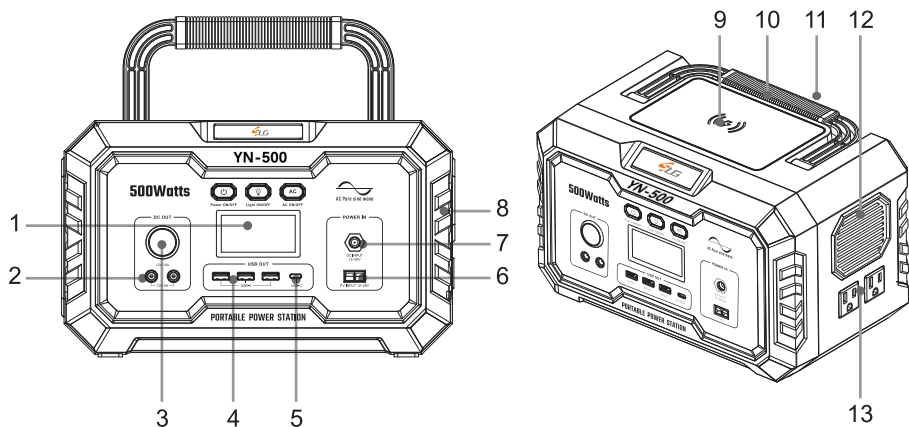
### Thanks for your purchase from YN-500.

For the best performance and safety purposes, please read this manual carefully before use. Please keep this manual for further reference.

### CHARGE FIRST!

Please fully charge your new YN-500 Power Station before first use.  
Highly recommend to charge YN-500 when battery indicate less than 20%.

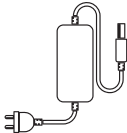
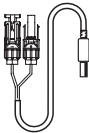
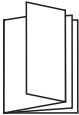
# ■ Product Overview



- 1. LCD Display
- 2. DC Output
- 3. Cigarette Lighter Socket Output
- 4. USB-A Output
- 5. USB-C Output
- 6. PV Input
- 7. DC Input
- 8. Anti-collision Strip
- 9. Wireless Charger
- 10. Handle
- 11. SOS Mode & LED Light
- 12. Air Intake Vent with Cooling Fan
- 13. AC Output

**Note: No user-serviceable parts inside.**  
**Recommended to fully charge the YN-500 before use.**

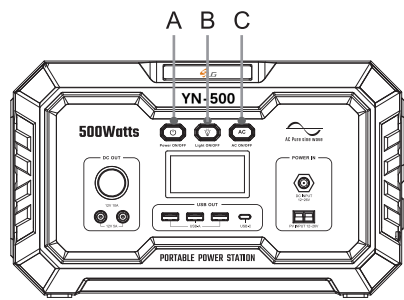
# ■ YN-500 Accessory List

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| AC 100-240V<br>wall plug power<br>adapter                                           | MC4-7909<br>connector cable<br>(optional accessory)                                 | 12V Car<br>Charger cable<br>(optional accessory)                                    | User Manual                                                                         |

**Recommend to use 60W/100W/120W Solar panel (not included).**

# ■ Button Feature

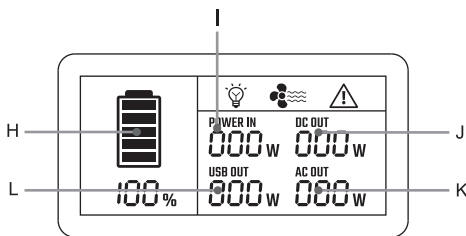
- A: Power ON/OFF Button
- B: SOS Mode & LED Light Button
- C: AC Output Power ON/OFF Button



# ■ Buttons Function

- **Button A: Power ON/OFF**  
Master switch. Press Button A to turn on the power and also the DC output, USB output and wireless charger will be activated, press it again to turn off.
- **Button B: SOS Mode & LED Light**  
This function is available no matter the Power ON/OFF button is activated or not. Using Steps:  
Firstly, press Button B once to turn on LED light mode;  
Secondly, double press to turn on the SOS mode.  
Thirdly, press Button B once again to go back to LED light mode, then press it again, the light will be off.
- **Button C: AC Output Power ON/OFF**  
Please make sure the Power ON/OFF button is activated before pressing Button C; Press Button C again to turn off.

# ■ LCD Features



- H: Battery Indicator
- I: Input Status
- J: DC Output Status
- K: AC Output Status
- L: USB Output Status

# Note:

- The LCD Screen will enter Sleep Mode after 120s of inactivity, and will Wake up when inputting a charging cord or when any button is pressed.

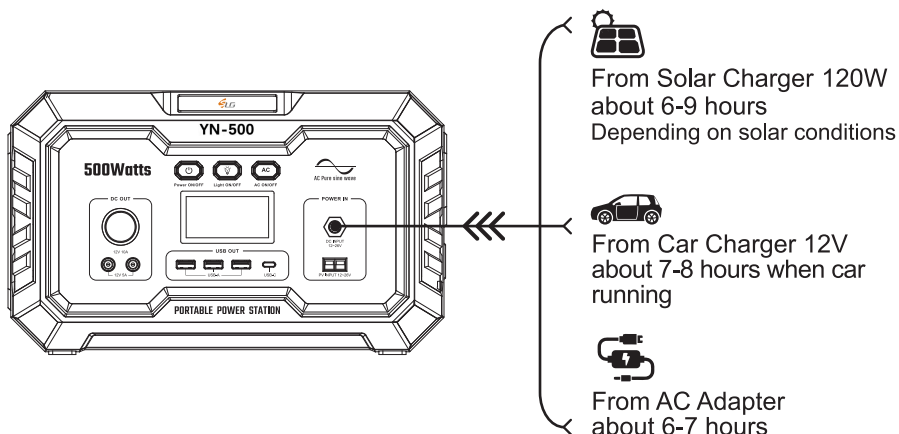
| The Pattern of the Charge Display LCD |                    |                     |                     |                     |                   |
|---------------------------------------|--------------------|---------------------|---------------------|---------------------|-------------------|
|                                       |                    |                     |                     |                     |                   |
| 0%-5%<br>Lighting                     | 6%-20%<br>Lighting | 21%-40%<br>Lighting | 41%-60%<br>Lighting | 61%-80%<br>Lighting | > 81%<br>Lighting |

# ■ General Specifications

| General Specs                                                                       |                                 |                                                                                              |
|-------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------|
|    | Rated Capacity                  | 519.48Wh                                                                                     |
|    | Weight (Net Weight)             | ≈6.8kg                                                                                       |
|    | Weight (Including Accessories)  | ≈7.8kg                                                                                       |
|    | Product Size                    | 319mm×192mm×193mm                                                                            |
| Input                                                                               |                                 |                                                                                              |
|    | Recharging Input Voltage        | 12-26V                                                                                       |
|    | Recharging Input Power          | 105W Max                                                                                     |
|    | AC/DC Adapter                   | AC 100-240V, DC 12-26V 4A                                                                    |
|    | Solar Charge Input              | 12V-26V (105W Max)                                                                           |
|    | Car Charger                     | 12V  8A Max |
| Output                                                                              |                                 |                                                                                              |
|    | AC Output Voltage               | 110V±10%/60Hz                                                                                |
|    | Rated Output Power              | 500W                                                                                         |
|    | Output Waveform                 | Pure Sine Wave                                                                               |
|    | Overload Protection Power       | 550±40W                                                                                      |
|   | Cigarette Lighter Socket Output | 12V  10A   |
|  | DC 55*2.5 Output x 2            | 12V  5A   |
| Total 10A                                                                           |                                 |                                                                                              |
|  | Wireless Charger                | 10W                                                                                          |
|  | USB Output                      | QC3.0/18W                                                                                    |
|  | Type-C Output                   | PD 60W                                                                                       |
| Battery                                                                             |                                 |                                                                                              |
|  | Standard Capacity of Cells      | 3.7V/140400mAh                                                                               |
|  | Operating Temp                  | 14 to 104°F (-10 to 40°C)                                                                    |
|  | Charging Temp                   | 32 to 104°F (0 to 40°C)                                                                      |
|  | Storage Temp                    | -4 to 113°F (-20 to 45°C)                                                                    |

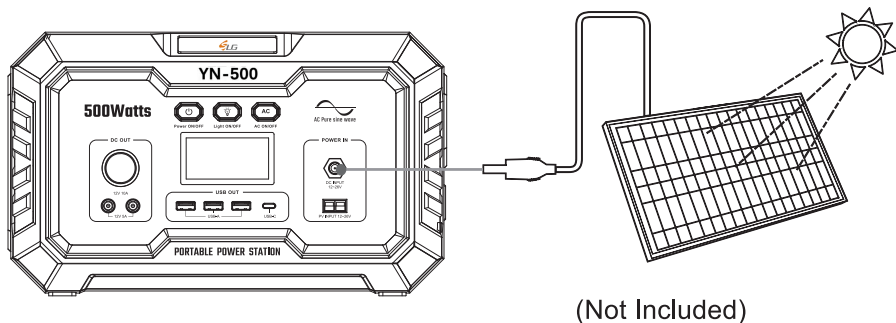
## ■ How to Charge

Do not connect device via ac output port while charge the YN-500 recommend to disconnect the YN-500 when fully charged.



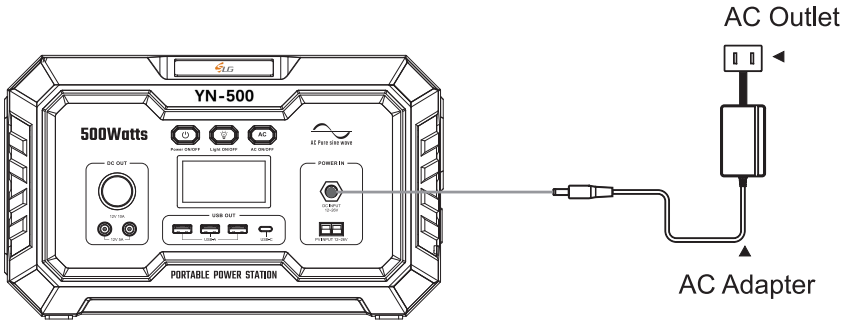
## ■ Solar Panel Charging

1. Do Not charge the unit via solar panel that operate voltage exceeds DC 12-26V.
2. Place the solar panel direct exposure to the sunlight as much as possible.
3. Support 60W/100W/120W max solar panels (Not included), the charging time depends on the solar light intensity.



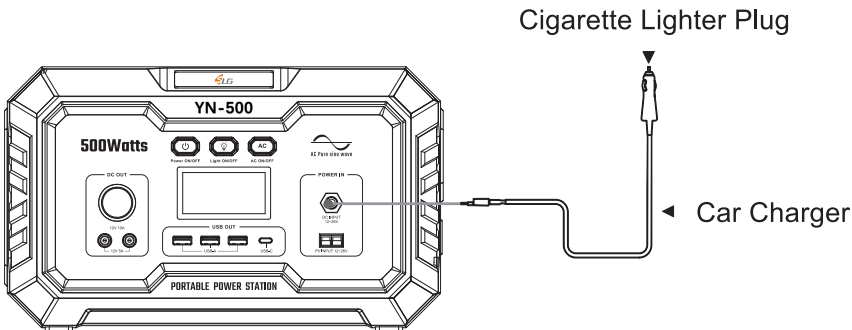
# ■ AC Adapter Charging

Please use the AC adapter that we provided to charge this unit, and it will take about 6-7 hours to fully charge the power station.



# ■ 12V Car Charger Charging

Please use the car charger that we provided to charge this unit, and it will take about 7-8 hours to fully charge the power station.



# ■ Power/Charge Devices with YN-500

1. Select the type of outlet required by pressing the Output ON/OFF Button. The output port will NOT function until the appropriate button is pressed. When activated, the indicator on the button shows green, indicating that the outputs are active, and the LCD display will turn on and provide details on the charging output. The LCD Screen will automatically shut down when no outputs are activated.
2. Pass-through Charging. The advanced battery management system of YN-500 allows it to charge a connected device via DC output & USB output while charging the YN-500. Note: Do Not connect devices via AC output while charging the YN-500.
3. Overload Condition. If an overload condition occurs on the output port, YN-500 will automatically turn off AC Output power. The blue indicator light of LCD Screen still illuminated. DC output status is still the same status as usual. In this case, please check the input cable. The port will be efficient when the input charge cable meets the specification outlined in the General Specifications section. Only charge YN-500 with provided AC wall power adapter.

# ■ What it Powers

|                                                                                                                                                         |                                                                                                                                                          |                                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Laptops</b><br>(41.4Wh)<br><b>Around</b><br><b>10 Recharges</b> | <br><b>32" TV</b><br>(60W)<br><b>Around</b><br><b>7 Hours</b>           | <br><b>CPAP Without</b><br><b>Heated Humidifier</b><br>(15W)<br><b>29 Hours</b> | <br><b>Gopro</b><br>(5.9Wh)<br><b>Around</b><br><b>74 Recharges</b>   | <br><b>Floodlight</b><br>(4W)<br><b>Around</b><br><b>110 Hours</b> |
| <br><b>Mini Fridge</b><br>(40W)<br><b>Around</b><br><b>11 Hours</b>  | <br><b>Drone</b><br>(89.2Wh)<br><b>Around</b><br><b>4.9 Recharges</b> | <br><b>Smartphone</b><br>(10Wh)<br><b>Around</b><br><b>44 Recharges</b>       | <br><b>Switch</b><br>(16Wh)<br><b>Around</b><br><b>27 Recharges</b> | <b>+MORE</b>                                                                                                                                         |

## ■ Important Safety Instructions



### **Product Use:**

- DO NOT use any inappropriate power cords.
- DO NOT place the unit close to or in a fire or expose it to heat. Keep out of direct sunlight.
- DO NOT charge, use or store the unit in a bathroom or in an area exposed to rain or moisture. Use and store the unit only in a clean and dry environment.
- Do not drop the unit into the water. If the battery in the unit comes into contact with water, it may cause chemical decomposition of the battery, which may cause the battery to catch fire or explode.
- Never use or charge swollen, leaky, or damaged batteries. If your battery is abnormal, contact us to get support.
- Never install or remove a battery from the unit when it is turned on.
- DO NOT use the batteries in strong electrostatic or electromagnetic environments. Otherwise, the battery control board may malfunction and cause a serious accident.
- Never disassemble or pierce the product in any way. Otherwise, it may leak, catch on fire, or explode.
- DO NOT use the product if it was involved in a crash or a heavy bump.
- If the product falls into water during use, take it out immediately and put it in a safe and open area. Keep a safe distance from it until it is completely dry. Never use it again and dispose it properly as described in the Battery Disposal section below. If the product catches fire, it is recommended to use fire extinguishing equipment in the following order: water or water mist, sand, fire blanket, dry powder, carbon dioxide fire extinguisher.
- Do Not allow pins, wires or other metal pieces to insert into the device case, outlets or controls. Metal pieces may short circuit the unit.
- Avoid collision. DO NOT place heavy objects on the unit.
- If there is dirt on any plug or outlet surface, use a dry cloth to clean it. Otherwise, it will cause abrasion and result in energy loss or inability to charge.
- DO NOT put the machine in a microwave oven or in a pressurized container.
- Transportation: YN-500 complies with all legal requirements for transport of dangerous goods. The capacity of the lithium battery pack exceeds 100Wh. Based on international standards, if YN-500 is transported by airplane it must be transported in accordance with IATA standard packaging. IATA instructions and labeling requirements and the relevant declarations must be completed.



### **Product Recharging:**

- When you first plug in a power source, a solar panel or a wall charger, the YN-500 may take one minute to detect and adjust its charge circuitry before it starts drawing power from the source.

- DO NOT charge the unit via power supply systems that operate outside of AC100-240V.
- DO NOT charge the unit via solar panel that operate voltage outside of DC12-26V.
- Always use approved attachment charging cables. We takes no responsibility for any damage caused by using other brand charging cable.
- When charging, please place the product on the ground with no flammable or combustible materials around. To prevent accidents, never leave the machine unattended during charging.
- DO NOT charge a product immediately after a long heavy load, because the product's temperature may be too high. DO NOT charge a product until it cools down to room temperature.
- Only charge, use the unit within an ambient temperature of 0 to 40°C (32 to 104°F). The ideal charging temperature range is 71°F to 82°F (22°C to 28°C).



### **Product Storage and Transportation:**

- Keep the product out of the reach of children. If any children accidentally swallow parts, please go to a doctor immediately.
- If a low-battery warning appears, charge the battery before store
- Store the product in dry environments. DO NOT place the product where it may contact with water.
- Make sure no small metal objects can fall on or around the product while in storage.
- Never transport a product with a battery power level higher than 30%.
- Battery life may be reduced if not used for a long time. It is recommended to fully charge and discharge YN-500 at least once every 3 months to maintain the health of the battery pack.
- Never store the product in environments below -20°C or above 45°C.

## **■ Cleaning**

- Be sure that YN-500 is disconnected from all input power sources and output devices. Use a clean, dry, soft-lint-free cloth to clean.
- Remove any debris, dirt, or other blockages on both side vents. When cleaning debris from the side vents, do not allow the debris, dirt, or other blockages to enter the body of YN-500.
- DO NOT use abrasive cleaners or solvents.
- DO NOT use compressed air to clean side cooling vents, as this will force foreign particles into the internal circuitry.
- To avoid the risk of electrical shock, DO NOT use metal objects to clean ports.

## ■ Troubleshooting

### **YN-500 Will Not Charge Or Operate connected devices:**

Ensure that the DC/USB/AC output ports are activated. Confirm the connected device is suitable for the YN-500 by reviewing the output specifications provided in the General Specifications section. Confirm YN-500 is charged by reviewing the Battery Level Indicator. Verify the watt data displayed on the Status Indicator I/J/K of LCD Screen for overload condition.

### **YN-500 Will Not Charge**

Confirm that the wall plug power adapter's cord is inserted fully into the DC Input. Confirm that the AC wall plug power adapter is the charger provided with YN-500. If the input does not comply with the requirements located in the General Specifications section, the Low Watt range 0 to 10 may be displayed on.

## ■ Note

A photovoltaic panel as input for charging the internal battery shall be provided with an inverter and/or a charge controller in accordance with UL 1741 or UL 62109-1; The external power supply shall be a power source in accordance with the Standard UL 60950-1 and CAN/CSA C22.2 No. 60950-1, or UL 1310 and No. 1, CAN/CSA C22.2 No. 223, or No.1, CAN/CSA C22.2 No. 223; A vehicle adapter that complies with the enclosure and input contacts requirements in the Standard for Vehicle Battery Adapters, UL 2089, and Power Supplies, CAN/CSA C22.2 No. 107.1. The connector plug shall incorporate a fuse or other protective device having a current rating not greater than 15 A.

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

### **IMPORTANT SAFETY INSTRUCTIONS**

1. WARNING – When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.
- e) To reduce the risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) Do not disassemble the power pack, take it to a qualified service person

when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.

i) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

j) **WARNING – RISK OF EXPLOSIVE GASES.**

1) To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Review cautionary marking on these products and on engines.

k) **PERSONAL PRECAUTIONS**

1) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.

2) Wear complete eye protection and clothing protection. Avoid touching eyes while working near the battery.

3) If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters the eye, immediately flood the eye with running cold water for at least 10 minutes and get medical attention immediately.

4) **NEVER** smoke or allow a spark or flame in the vicinity of the battery or engine.

5) Be extra cautious to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit battery or other electrical parts that may cause an explosion.

l) When charging the internal battery, work in a well-ventilated area and do not restrict ventilation in any way.

m) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

n) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause an explosion. The temperature of 130°C can be replaced by the temperature of 265°F.

o) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained. **SAVE THESE INSTRUCTIONS.**

## ■ Disposal/Recycle



Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations.



See [www.epa.gov](http://www.epa.gov) for additional information.

## ■ Warranty

All products come with a full 1-year limited warranty from the date of purchase (accessories excluded). It will be out of guarantee if damaged due to incorrect use or force majeure.

## FCC Warning

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.

Any 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.