

User Manual

PLEASE READ THE MANUAL BEFORE YOUR FIRST USE. KEEP THIS MANUAL SAFE FOR FUTURE REFERENCE!

A. PRODUCT DESCRIPTION



1. LED torch and siren light	8. Function switch output	15. 5V Micro USB jack
2. Solar panel and table lamp	9. Bands switch	16. Telescopic antenna
3. Thermometer	10. Tuning knob	17. Battery compartment
4. Strap	11. Speaker	
5. Turning frequency	12. Dynamo crank handle	
6. Power selector switch	13. Cell phone charger output	
7. Volume control	14. Earphone jack	

B. TECHNICAL SPECIFICATIONS

1. Frequency Range: AM(MW) 520-1600KHz / FM 87.5-108MHz / SW 3.0 -17MHz	5.Speaker: Ø66mm 8Ω 1W
2. <b>Technical data</b> Rechargeable battery: Lithium 3.7V 1200mAh Dry cell: DC 4.5V AA x 3pcs Solar panel output: 3.8V 55mA Handle Generator output: 4V 450Ma Mobile recharging output: 5V 400mA Micro USB charging cable: 5V/ 2A	6.External earphone: Ø3.5mm 32Ω X2
3. Thermometer: -20°C- +50°C	7.Dimension: 242x136x73mm
4. Power out: 148mW	8.Weight: 650g (dry battery not included)

Battery Pack Charging Time (Solar energy):	20-24hrs
Autonomy- Dynamo crank handle:	150mins charge for a fully of the battery
Type of Solar panel:	poly-crystalline solar cell, 5v 55mA
Output Voltage:	5.2V
Energy source	Solar ,dynamo, Micro USB charging cable, and dry batteries

C. USING THE PRODUCT

1. Thermometer: Suitable for -20°C-50°C Range indication.
2. Using function switch: Put function selector (8) to "FLASHLIGHT" for LED torch, to "SIREN" position for using emergency siren function and it will change the LED light to a blinking red light. Turn on the "Volume Control"(7) to turn on or off the siren sound. Open up table lamp (2), turn function Switch (8) to "LIGHT" position to use table lamp. **Note: when you are not using the table lamp, turn the Function Switch to "OFF", it will turn off the siren, table lamp and flashlight.**
3. Power source: press power selection Switch (6) to "RECHARGEABLE BATTERY" position for choosing rechargeable battery power supply. Press again to use "DRY CELL" for using battery power source.

4. Operation: using 3pcs **AA** batteries, install the batteries in the battery compartment while ensuring the correct polarity. Push **POWER SELECTION SWITCH (6)** to choose the dry cell battery. Set function switch **(8)** to "OFF" position. Turn on **VOLUME CONTROL** to select your desired sound level, turn the **BAND SWITCH (10)** to search your desired radio band. Tune to your favorite station by rotating the tuning knob and select your favorite station frequency number. For better reception, adjust the **REVOLVING TELESCOPIC ANTENNA** to find the best reception.

5. Listening safety: **To avoid possible hearing damage, do not listen at high volume levels for long periods. Make sure to adjust the volume to a sound level that best fits your hearing sensitivity.** Always start by setting the volume to the lowest level possible before you start listening. Then put  $\Phi$ 3.5mm earphone to insert **EARPHONE JACK (14)**, gradually increase the volume to your desired sound level.

6. Power source: Micro USB charging cable / Dynamo power recharging / solar power recharging /-Dry cell batteries

**A. Micro USB charging cable :** Insert one end of USB charging cable into the 5V port and the other one into the USB port of computer or rechargeable battery. The radio should always be OFF when in charge. It will finish recharging after 4 hours, but it is necessary to full charge for 8 hours with the radio OFF.

**B. Dynamo power recharging:** one hand hold the radio and the other rotate dynamo crank handle (12), keep a consistent direction and moderate speed, ideally 120 times per minutes, the energy is charged in the rechargeable battery and finished recharging about 75 mins, rotate the dynamo gently clockwise or anticlockwise in moderate speed.

**PLEASE DO NOT ROTATE THE HANDLE MORE THAN 120 TIMES PER MINUTE. WHEN ROTATING, THE SPEED SHOULD NOT BE TOO FAST OTHERWISE THE HANDLE WILL BREAK. WHEN YOU USE DYNAMO POWER RECHARGING, KEEP STEADILY SPEED AND CONSISTENT DIRECTION. NOTICE: NEVER INTERRUPT A ROTATION SUDDENLY AND NEVER TURN THE HAND CRANK HANDLE IN THE OPPOSITE DIRECTION, AS IT MAY CAUSE SERIOUS DAMAGE DYNAMO AND REDUCE ITS LIFETIME.**

**C. Solar power recharging:** The solar panel of the radio must be exposed to direct standard sunlight for 10 hrs, to be fully charged.

**Recharging & Using parameter :** using 3.7V 1200mAh Lithium rechargeable battery. When the battery is finished recharging, with FM reception at 1/3 volume, the radio will operate about 24 hrs, LED torch about 11 hrs and table lamp about 7hrs.

**Charging & Play time:**

Method of charging	Charging time	FM play time	Light time	Table lamp time
Micro USB cable charging	4 hours	24 hours	11 hours	7hours
Solar charging	20-24 hours	24 hours	11 hours	7hours
Dynamo charging(120times/minute)	150 minutes	8 hours	9hours	4hours
	Hand crank 60 second	12minutes	80 minutes	60minutes

**Remark: the information above is an approximation.**

**D. IMPORTANT**

1. Never attempt to dismantle or repair the appliance yourself. Take your appliance to an approved service center.
2. All repairs should be done by a qualified technician.
3. Keep it away from heat sources, direct sunlight, humidity, water, or other liquids.
4. Do not operate it under high temperature.
5. Do not immerse in water or other liquids.
6. Do not subject it to strong impacts and do not throw it.
7. Do not drop, short-circuit, modify, disassemble or puncture it.
8. Warranty of this unit is void if it is opened and tampered with.
9. The unit should be cleaned only as recommended by the manufacturer. Use soft cloth, water and soap to clean cabinet, do not use chemical fluids like benzene.
10. Such as TV, daylight lamp, table lamp, computer, motor electrical appliance equipment and LED torch have strong interference on the radio reception. While using your AM/SW band of radio, keep a distance or turn off LED torch with above equipment for avoiding the bad reception.

## E. SAFE INSTRUCTIONS FOR BATTERY

1. Never mix alkaline, standard (carbon-zinc) and rechargeable (nickel hydride). 2. Don't mix new and used batteries. 3. Don't attempt to recharge non-rechargeable batteries. 4. Remove rechargeable batteries from the device (if possible) before charging them. 5. Rechargeable batteries must always be recharged under adult supervision. 6. Remove used batteries. 7. Never short the power supply terminals. 8. Always use the recommended or equivalent battery types. 9. Always pay attention to battery polarity. 10. Take out the back up batteries from the battery compartment if the radio is not used for a long time. 11. In case of leakage to the inside components. If the battery leaks liquid, you must use a soft cloth to wipe up the liquid in the battery compartment, and then change the new batteries. 12. If the radio is not used for a long time, the electricity of rechargeable batteries will automatically reduce. It is recommended to recharge before use or replace the batteries. 13. If the sound or the volume gets lower with distortion while listening, possible the batteries are low and you should change new batteries or recharge.

**WARNING: You should not dispose of this device with your household waste. A selective collection system for this type of product is implemented by your local authorities. Please contact your local authorities to find out how and where collection takes place. These restrictions apply because electrical and electronic devices contain dangerous substances that have harmful effects on the environment or on human health and must be recycled. This symbol indicates that electrical and electronic devices are collected selectively. The symbol shows a waste container crossed out with an X symbol. If the power cable is damaged, it must be replaced by the manufacturer, his after sales service, or a person qualified in this area in order to avoid any accidents arising.**

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