

# User Guide

This product is a three band rechargeable radio with Bluetooth, which can listen to FM/AM/SW/BT. The radio has built-in hand generator, solar panel, charging pool and functions with alarm, thermometer, desk lamp and flashlight. It can be charged by an external mobile phone in an emergency. It is suitable for outdoors and travel. It is not affected by the power failure of the external environment. Your mobile phone can have enough power at any time to keep in touch with the outside world. For detailed usage, please read the following contents of the manual.



## 1. Appearance and function indication

(1) Flashlight and alarm light	(10) station selection knob
(2) Solar panel and flip table lamp	(11) speaker
(3) Thermometer	(12) hand power generation handle
(4) Wrist strap	(13) 5V mini USB connector
(5) Position ruler	(14) earphone hole
(6) Power selection switch	(15) Mobile phone charging output
(7) Radio switch and volume knob	(16) antenna
(8) Function switch	(17) battery compartment
(9) Band switch and Bluetooth	(18) TF card slot
(19) MP3 play key	

## 2. Technical indicators

1 frequency range AM 522—1620KHz  
FM 87.0—108MHz  
SW 7—19MHz

## 2 Power Supply

Rechargeable: lithium battery 3.7V2000mAh

Dry battery: DC 4.5V (three AA batteries)

Solar cell: 5V 55mA

Manual power generation output: 5V 450mA

Mobile phone charging output: 5V

External DC power supply: 5V 1-2A

3 thermometer -20°C— 50°C

4. output power: 360mW

5. loudspeaker:  $\Phi 66\text{mm}$

6. External headset:  $\Phi 3.5\text{mm} 32\Omega \times 2$

7 size: 242\*136\*73mm

8 weight: 576g (Without

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9. Bluetooth version: bluetooth 5.0, Support multiple protocols, the Bluetooth device name is RADIO-BT, with English voice prompt.

### 3. Usage

1. Thermometer: applicable to temperature indication within the range of - 20 °C to 50 °C.
2. Use of function switch: push the function switch (8) to the 'FLASHLIGHT' position, start the LED flashlight lighting, push the function switch to the 'SIREN' position, and the alarm light flashes. At this time, turn on the volume button (7) and the horn to give an alarm sound. Turn up the flip table lamp (2). The table lamp has three angle adjustments. Adjust it to your appropriate lighting angle. Push the function switch to the 'LIGHT' position to start the lighting table lamp. Note: If the desk lamp is not used, please turn the function switch to the "OFF" position first, and then cover the desk lamp. At this time, the alarm function, lighting row lamp and flashlight lighting can be turned off, and the radio is in the standby state.
3. Use of power supply: Press the power selection switch (6) to supply power to the charging cell at the "RECHARGEABLE BATTERY" position, and then press a spring down button to supply power to the dry battery at the "DRY CELL" position.
4. Radio use: correctly install three No. 5 batteries according to the battery polarity marked in the battery compartment, turn the power switch (6) to select the required power supply mode, turn the function switch (8) to the 'OFF' position, turn the volume switch to the appropriate volume, turn the band switch (9) to select the band you want to listen to, adjust the body direction to listen to the AM band, pull out the rod antenna (16) and adjust it to the appropriate position to listen to the FM and SW bands, To achieve the best reception effect. At this time, turn the station adjustment knob (10), check the position of the tuning pointer on the station position indicator window, and select the radio station you want to listen to.
5. Headset: To protect your hearing, please turn the radio volume to the minimum, and then  $\Phi$  Insert the 3.5mm headphone plug into the headphone jack (14), and then slowly adjust the volume to an appropriate level to listen. At this time, the internal loudspeaker is automatically disconnected.
6. Charging function: charging to the built-in charging pool of the radio can be conducted by external DC power supply, hand charging, solar charging and other charging methods.

Charging with external power supply: Insert the external regulated power DC5V plug into the external power socket (13), and the power selection switch (6) can be charged at any gear. At this time, if the radio is turned off for charging, it will take 7.5 hours to fully charge. Cover the sun (2) with something, and the full charge lamp will go off. If you choose to turn on the radio for charging, it will take about 9 hours to fully charge.

Hand crank charging: Hold the machine body or pull it in one hand, and turn the hand generator (12) with the other hand to maintain a consistent direction and a stable speed. At 130 rpm, the hand charging indicator light is on, and you can charge the battery in the machine. The hand generator can be rotated clockwise or reversible for charging. Please note that the hand generator should not be forced to stop and suddenly rotate in the other direction, which will seriously damage the hand generator.

Phone charging: Insert one end of the mobile phone charging cable plug into the 'PHONE CHARGER' (15) jack and the other end into the mobile phone charging jack. At this time, turn off the volume button (7), and select the power switch (6) to charge the external mobile phone. Note: the rechargeable battery should be fully charged first, or the dry battery should have enough power, which will increase the battery power to 5V output.

Solar charging: Place the solar panel part of the machine body in sufficient sunlight to charge the battery inside the machine. It takes about 24 hours to fully charge.

Charging and use parameters: The rechargeable battery of this machine is 3.7V2000mAh lithium rechargeable battery. When it is fully charged and the FM listening volume is adjusted to the maximum, it can be used continuously for about 11 hours, while the flashlight can be used only for about 28 hours, and the desk lamp can be used only for about 20 hours.

## 4. MP3&Bluetooth function.

### Bluetooth model

- 1、Bluetooth version: bluetooth 5.0, with voice prompt, and the Bluetooth name is RADIO-BT
- 2、Push the switch (9) to the BT position, and the radio will give voice prompts Enter the pairing status. The phone searches the RADIO-BT device name and confirms the connection. If you need a password, enter (0000). The radio sends out a voice prompt when the connection is successful. Open the phone music player and it can play normally. The paired mobile phone will automatically connect back when the Bluetooth mode of the radio is turned on again. During playback, briefly press the function key (19) to switch and pause songs.

### TF card mode:

When the TF card is not inserted, the Bluetooth mode will be entered. When the TF card is inserted, the TF card mode will be automatically detected. If a TF card is inserted, it will enter the TF card mode next time.

During playback, briefly press the function key (19) to switch or pause the song.

## 5、Precautions

- 1 , Avoid using in high temperature and humid environment. Avoid sudden impact or falling to the ground.
- 2 , Do not mix old and new batteries or batteries of different models. If the dry battery is not used for a long time, please take the dry battery out to prevent the battery leakage from corroding the internal components. If the battery leaks, you must use a soft cloth to wipe up the leakage in the battery compartment before installing a new battery.
- 3 , If the volume of the machine decreases and is accompanied by distortion when it is used, it is likely that the charge cell or dry battery is low in power. At this time, please charge or replace it with a new dry battery.
- 4 , When using the hand cranked generator for charging, please keep a steady speed and shake directionally. Do not force it to stop during high-speed rotation, or suddenly reverse during rotation, which will seriously damage the generator and shorten its life.
- 5, The products of our company are delivered after debugging various indicators with precision instruments. Please do not disassemble the machine to adjust the internal components.
- 6 , To clean the case, please wipe it with a soft cloth dipped in detergent solution. Do not use alcohol, thinner and other strong solvents for cleaning.

## 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.

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