

# 4 In 1 Dynamo Radio Flashlight and charger

SB-5026

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## Rechargeable Dynamo Multi-band radio with LED Flashlight & SOS

### Working Principle

This product adopts the principle of cranking for power generation to charge its inner battery. The internal professional design of variable speed drive mechanism drives a built-in AC, then through rectifier voltage convert to DC. It has FM radio, alarm, flashlight and charger for digital devices (eg. cell phone) functions. Radio tuning mode: automatic search from the low-end frequency to high-end frequency (radio automatically lock and stop).

### Functions

1. Cranking to charge mobile phones and other digital devices.
2. Luminous circle.
3. Searching FM radio programs automatically.
4. Cranking for power generating and accumulating in high-efficiency.
5. Siren, lighting and radio, three basic functions in one.

### Features

1. Cranking to generate power, no external batteries needed, rechargeable power-storage; Green, eco-friendly, economical and safe.
2. High-sensitive FM radio, high-quality sound, built-in speaker.
3. Perfect combination of the light weight and high efficiency. Low noise and long lifespan.
4. Auto scan and volume control button.
5. Siren function help you send out a distress signal.
6. Used as a LED flashlight.

### Main Technical Parameters

#### 1. Alarm and radio

Sensitivity of the FM	Better than 10 uV
Reception scope of the FM	76 ~108 MHz
Radio working time after 1 minute cranking	6 Minutes (Moderate volume)
The audio frequency power output	≥150 mW
Warning alarm work time after 1 minute cranking	3 Minutes
Loudness of warning sound	80 dB (Distance of 100 cm)
Note: The condition of testing radio and alarm is to work until the sound is distorted.	

#### 2. Lighting

The Max. luminous flux	8 Lm
Lighting time after 1 minute cranking	20 Minutes
Note: Lighting discharge standard to luminous flux: 100mLm	

#### 3. External power input charge

Voltage output	5.2 V±0.2 V
Current output	250-400 mA

#### 4. Main parts life-span

The whole unit	≥5 Years
The plastic part	≥5 Years

#### 5. Size and Weight

Product size	137×56×44 mm
Product weight	175 g

#### 6. Others

Specification of built-in battery	Ni-MH 80mAh, 3.6 V
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## Emergency Dynamo Multi-band radio with LED Flashlight & Siren

### Operations

#### Lighting:

1. Push the lighting switch forward to turn on, then push it backward to turn off.

#### Charging:

1. Charge its inside battery: hold the unit and crank the handle by the other hand at the speed of 2.5-3 circles per second to charge its inside battery.
2. Lock the handle after using.

#### Charge for mobile phone:

1. Insert one end of the charging cables into the mobile phone and the other end into this product.
2. Unlock the handle, hold the unit and crank the handle clockwise by the other hand at the speed of 2-3 circles per second to charge the mobile phone.

#### Radio:

1. Rotate the volume knob clockwise to turn on the radio, the volume will be amplified as you go on rotating.
2. Press the "scan +/-" button can search stations automatically: low-end frequency to high-end frequency (locked and stopped automatically when radio stations had been received).
3. Turn off the radio, rotating the volume knob anticlockwise to end, when you hear a "click" sound, it means off.

#### Note:

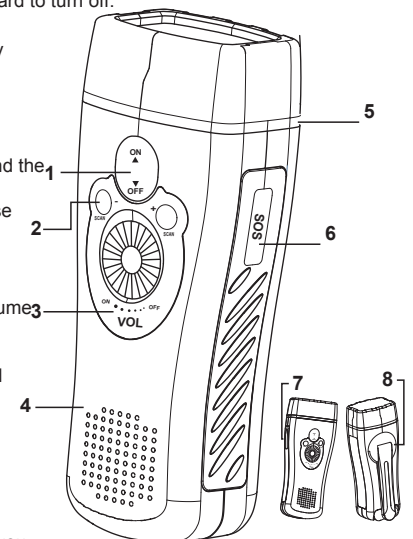
- a. It is advised to turn the volume to the optimal position (be comfortable) when you listen.
- b. Avoid places like high building, basement, etc. As possible as you can, such places will badly influence the effect of the reception. Leave far away from the induction cooker, fluorescent lamp, car generator, motor, computer or such electrical equipment that may disturb the signal easily.

#### Warning:

1. Push the warning button forward to turn on alarm, then push it backward to turn off.

#### Cautions:

1. Pay attention to the holding gesture when cranking which can protect your finger and nail from hurting.  
Keep rotating steadily.
2. In order to assure the using life of the battery and the mechanical parts, please pay attention to the instructions below:
  - a. Cranking it as even as possible (keep rotating steadily, 2.5 or 3 circles per second is best). Too slowly cranking would make current weak and influence the charging efficiency, and too violent cranking possibly damages the driving system.
  - b. In order to prolong the lifespan of the battery, you should crank it for at least one minute once a month.
3. Do not place this product in which temperature or humidity is high. Do not drop or hit this product.
4. Turn off the light when charging in order to enhance the efficiency of charging.
5. We reserve the right to change the specifications of the hardware and software described in this manual without prior notice.



1. Light switch
2. FM switch
3. Turning knob
4. Loudspeaker
5. Glow circle attach
6. Alarm switch
7. DC cover
8. Crank component

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