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## Kaito KA350GN

# Kaito KA350GN Voyager Trek User Manual

Model: KA350GN - Solar/Crank AM/FM/SW NOAA Weather Radio with 5-LED Flashlight

### 1. PRODUCT OVERVIEW

The Kaito KA350GN Voyager Trek is a versatile, multi-powered radio designed for emergency preparedness, outdoor activities, and general use. It features AM, FM, Shortwave (SW), and NOAA Weather band reception, a built-in 5-LED flashlight, and multiple power options including solar, hand crank, internal rechargeable battery, and external AAA batteries.



Figure 1: Front view of the Kaito KA350GN Voyager Trek radio with antenna extended.

### Key Features:

- AM/FM/Shortwave (SW) & 7-Channel Pre-programmed NOAA Weather Radio
- Multiple Power Sources: Hand Crank Dynamo, Solar Panel, Internal Rechargeable Ni-MH Battery, 3x AAA Batteries (not included), AC/DC Adapter (optional)
- Built-in 5-LED Flashlight
- USB Output for Charging External Devices
- Earphone Jack

## 2. SETUP

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### 2.1 Powering the Radio

The KA350GN offers several ways to power the unit:

1. **Internal Rechargeable Ni-MH Battery:** The radio comes with a built-in rechargeable Ni-MH battery pack. This battery can be charged via the hand crank, solar panel, or an optional AC/DC adapter.
2. **AAA Batteries:** For extended use or as a backup, insert three (3) AAA batteries (not included) into the battery compartment.
3. **Hand Crank Dynamo:** Rotate the hand crank to generate power and charge the internal Ni-MH battery.
4. **Solar Panel:** Place the radio in direct sunlight to charge the internal Ni-MH battery. The solar panel can also provide power directly to the radio even without a battery installed.
5. **AC/DC Adapter (Optional):** An external AC/DC adapter (not included) can be used to power the radio and charge the internal battery.



Figure 2: Rear view showing the battery compartment (requires 3 AAA batteries) and the hand crank.

## 2.2 Initial Charging

Before first use, it is recommended to fully charge the internal Ni-MH battery. This can be done by:

- **Hand Cranking:** Rotate the hand crank for approximately 3-5 minutes to provide an initial charge.
- **Solar Charging:** Place the radio with the solar panel facing direct sunlight for several hours.
- **USB Charging:** Connect the radio to a USB power source (e.g., computer, USB wall adapter) using the provided USB cable.

## 2.3 Antenna

For optimal reception, extend the telescopic antenna fully when listening to FM or Shortwave bands. For AM reception, the internal ferrite bar antenna is used, and antenna extension is not required.

## 3. OPERATING INSTRUCTIONS



Figure 3: Front panel controls including tuning dial, band selector, and volume.

### 3.1 Turning On/Off and Volume Control

- To turn the radio **ON**, rotate the **VOLUME** knob clockwise.
- To adjust the volume, continue rotating the **VOLUME** knob.
- To turn the radio **OFF**, rotate the **VOLUME** knob counter-clockwise until it clicks.

### 3.2 Band Selection and Tuning

1. Use the **BAND** switch on the front panel to select your desired band: **OFF**, **FM**, **AM**, **SW1**, **SW2**, **NOAA ALERT**.
2. For FM, SW1, and SW2, extend the telescopic antenna.
3. Rotate the **TUNING** dial to scan for stations. The frequency display will show the current tuning position.
4. For NOAA Weather Radio, select the **NOAA ALERT** band. The 7 weather channels are pre-programmed and can be selected using the channel switch.

### 3.3 Using the Flashlight

The KA350GN features a powerful 5-LED flashlight located on one end of the unit.

- To turn the flashlight **ON**, locate the flashlight switch (often labeled 'LIGHT' or with a flashlight icon) and slide it to the ON position.
- To turn the flashlight **OFF**, slide the switch back to the OFF position.





Figure 4: End view displaying the 5-LED flashlight and connectivity ports.

### 3.4 Charging External Devices (USB Output)

The radio can be used to provide emergency power to charge small electronic devices such as cell phones or MP3 players.

1. Ensure the radio's internal Ni-MH battery has sufficient charge.
2. Locate the USB output port (labeled 'OUT') on the side of the radio.
3. Connect your device's USB charging cable to the radio's USB 'OUT' port.
4. The radio will begin charging your device. For faster charging or if the internal battery is low, you may need to continuously crank the dynamo while charging.



Figure 5: Detailed view of the 5V IN (Micro USB) and OUT (Standard USB) ports.

### 3.5 Earphone Use

For private listening, connect standard 3.5mm earphones (included) to the earphone jack located on the side of the radio.

## 4. MAINTENANCE

### 4.1 Battery Care

- **Internal Ni-MH Battery:** To prolong the life of the internal rechargeable battery, fully discharge and recharge it periodically (e.g., once every 3 months) if the radio is not used regularly.
- **AAA Batteries:** If using AAA batteries, remove them if the radio will not be used for an extended period to prevent leakage and damage.
- **Replacement:** The internal rechargeable batteries are replaceable. Refer to Kaito's website for purchasing extra battery packs.

### 4.2 Cleaning

Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the finish.

### 4.3 Storage

Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. If storing for a long period, ensure the internal battery has a partial charge (not fully depleted or fully charged) and remove any AAA batteries.

## 5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Internal battery depleted; AAA batteries depleted or incorrectly inserted.	Crank the dynamo for 3-5 minutes, place in direct sunlight, or check/replace AAA batteries.
Poor radio reception.	Antenna not extended; weak signal; interference.	Extend the telescopic antenna fully. Try repositioning the radio.
Flashlight is dim or not working.	Low battery charge.	Recharge the internal battery via crank or solar.
External device not charging via USB.	Radio battery too low; device requires more power than supplied.	Ensure radio's internal battery is charged. Continuously crank the dynamo while charging. Note that the radio provides limited power for emergency charging.

## 6. SPECIFICATIONS

- **Product Dimensions:** 6 x 2 x 3 inches
- **Item Weight:** 11.2 ounces
- **Power Sources:** Solar Powered, Hand Crank, Internal Ni-MH Battery, 3x AAA Batteries (not included), USB 5V In
- **Radio Bands Supported:** AM, FM, Shortwave (SW), NOAA Weather Band (7 Channels)
- **Connectivity Technology:** USB (for charging external devices)
- **Special Features:** Built-In 5-LED Flashlight, Rechargeable

- **Included Components:** Earphones, User Manual (this document)

## 7. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the warranty registration card included with your product or visit the official Kaito website. Keep your purchase receipt for warranty claims.