Mesqool MQL-CR1009-Y

Mesqool NOAA Weather Radio AM/FM/Shortwave Emergency Radio

Model: MQL-CR1009-Y | Brand: Mesqool

INTRODUCTION

Thank you for choosing the Mesqool MQL-CR1009-Y NOAA Weather Radio. This emergency radio is designed to provide essential information and utilities during critical situations, including weather emergencies, power outages, and outdoor activities. It features multiple power options, comprehensive radio bands, and integrated lighting solutions to ensure your safety and connectivity.

Figure 1: Mesqool MQL-CR1009-Y NOAA Weather Radio, showing its compact size and various controls.

PRODUCT FEATURES

- **NOAA Certified Weather Alerts:** Provides real-time alerts for various natural disasters, ensuring timely warnings.

- **Multi-Band Radio:** Supports AM, FM, and Shortwave (SW) bands for diverse listening options.

- **5-Way Power Options:** Rechargeable 5000mAh Li-ion battery, solar panel, hand crank, USB-C input, and 3 AAA batteries (not included).

- **Emergency Power Bank:** 5000mAh battery can charge external devices like smartphones via USB.

- **Integrated Lighting:** Features a powerful 3W LED flashlight and a 2.5W warm reading lamp with dual brightness settings.

- **SOS Alarm:** Activates a 116dB siren and flashing red beacon for emergency signaling.

- **Portable Design:** Compact and lightweight (0.93lb) with a strap, carabiner, and compass for easy carrying.

PACKAGE CONTENTS

The following items are included in your Mesqool MQL-CR1009-Y package:

- Emergency Radio (MQL-CR1009-Y)
- USB-C Cable
- Compass
- Carabiner
- Owner's Manual

Build-in Rechargeable Battery

Figure 2: All items included in the product package.

SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- A 5V, 2A power adapter is required for optimal charging and to prevent damage to the radio.
- Do not expose the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Keep the device away from water and other liquids.

- Do not attempt to disassemble or modify the radio. This will void the warranty and may cause damage.

- Keep out of reach of children.

SETUP

Battery Installation

1. Locate the battery compartment on the back of the radio.

2. Open the battery compartment cover.

3. Insert 3 AAA batteries (not included) into the designated slots, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

Initial Charging

Before first use, it is recommended to fully charge the internal 5000mAh Li-ion battery using the USB-C cable.

1. Connect the provided USB-C cable to the radio's USB-C input port.

2. Connect the other end of the USB-C cable to a 5V, 2A USB power adapter (not included) or a computer's USB port.

3. The charging indicator lights will illuminate to show charging status.

4. Charging is complete when all indicator lights are solid.

OPERATING INSTRUCTIONS

Radio Operation (AM/FM/SW/NOAA)

1. Turn the **VOLUME** knob clockwise to power on the radio and adjust the volume.

2. Extend the telescopic antenna for better reception.

3. Rotate the **BAND** knob to select your desired band: SW (Shortwave), AM, FM, or WB (Weather Band).

4. For WB (Weather Band), tune to your local NOAA station using the**TUNING** knob. The radio has 7 pre-set NOAA channels.

5. For AM/FM/SW, rotate the **TUNING** knob to find your desired station.

Figure 3: Radio controls for tuning and band selection, with headphone jack for private listening.

Light Functions (Flashlight, Reading Lamp)

1. **Flashlight:** Press the flashlight button on the side of the radio to turn it on. Press again to adjust brightness or turn off.

2. **Reading Lamp:** Lift the solar panel cover to reveal the reading lamp. Press the reading lamp button on the side to turn it on. Press again to adjust brightness or turn off.

Figure 4: The integrated flashlight and reading lamp provide versatile illumination.

SOS Alarm

In an emergency, press and hold the red SOS button on the side of the radio to activate the 116dB siren and flashing red beacon. Release the button to deactivate.

Figure 5: The SOS alarm button for emergency signaling.

Charging External Devices

The radio's internal 5000mAh Li-ion battery can act as a power bank to charge your mobile devices.

1. Open the rubber flap on the side of the radio to access the USB output port.
2. Connect your device's charging cable to the USB output port (5V/1A).
3. The radio will begin charging your device.

Figure 6: Charging an external device using the radio's power bank function.

POWER OPTIONS

The Mesqool MQL-CR1009-Y offers five versatile ways to power the device, ensuring continuous operation in any situation:

- **Internal 5000mAh Li-ion Battery:** The primary power source, rechargeable via USB-C, solar, or hand crank.
- **Solar Panel:** Place the radio in direct sunlight to slowly charge the internal battery.
- **Hand Crank:** Rotate the hand crank on the back of the radio to generate power and charge the internal battery.
- **USB-C Input:** Connect the provided USB-C cable to a 5V/2A power adapter for fast charging.
- **3 AAA Batteries:** Insert 3 AAA batteries (not included) into the battery compartment as a backup power source. Use the 'POWER AAA' switch to select this option.

5 Way Powered Emergency Radio

Hand Crank	**Solar Panel**
3 pcs AAA Battery (Not Included)	**5000mAh Li-ion Battery (Included)**

Micro USB Input

Figure 7: Visual representation of the five power sources available for the radio.

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Video 1: Official product video demonstrating the NOAA/FM/AM/Shortwave Weather Emergency Radio features and functionality.

MAINTENANCE

- Clean the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- If storing for an extended period, remove AAA batteries to prevent leakage.
- Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly check the solar panel for dirt or debris and clean gently to ensure efficient charging.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power/Radio not turning on	Battery depleted; Power source switch incorrect	Charge the internal Li-ion battery or insert fresh AAA batteries. Ensure the power switch is set to 'LI-ION' or 'AAA' as appropriate.
Poor radio reception	Antenna not extended; Weak signal area; Interference	Fully extend the telescopic antenna. Try repositioning the radio. Move away from electronic devices causing interference.
External device not charging	Radio battery low; Incorrect cable; Device incompatible	Ensure the radio's internal battery is sufficiently charged. Use a compatible USB cable. Some devices may not be compatible.
Solar charging not working	Insufficient sunlight; Solar panel dirty	Place the radio in direct sunlight. Clean the solar panel gently. Note that solar charging is slow and primarily for maintaining charge or trickle charging.

SPECIFICATIONS

- **Model Number:** MQL-CR1009-Y
- **Product Dimensions:** 6.8"L x 2.9"W x 3.7"H (17.3 x 7.4 x 9.4 cm)
- **Item Weight:** 12.8 ounces (363 grams)
- **Battery:** 1 Lithium Polymer battery required (5000mAh/18500mWh Li-ion)
- **Power Source:** Rechargeable Lithium Battery | Type-C Input 5V/2A | 3 AAA Batteries | Solar Panel | Hand Crank
- **Radio Bands Supported:** NOAA Weather Radio, FM, AM, Shortwave (SW)
- **Tuner Technology:** Analog Tuner
- **Special Features:** 5-Way Powered, Easy to Use, Emergency Cellphone Charger, LED Flashlight & Reading Lamp, Portable

WARRANTY AND SUPPORT

Mesqool products are designed for reliability and performance. For warranty information, technical support, or any inquiries regarding your MQL-CR1009-Y NOAA Weather Radio, please refer to the contact information provided in the included Owner's Manual or visit the official Mesqool website.