Mesqool CR1009Pro DAB

Mesqool CR1009Pro DAB Hand-Crank DAB/FM Radio User Manual

Model: CR1009Pro DAB

1. Introduction

The Mesqool CR1009Pro DAB Hand-Crank DAB/FM Radio is a versatile and portable device designed for both everyday use and emergency situations. It features multiple power sources, including a built-in 5000mAh rechargeable battery, solar panel, and hand-crank generator, ensuring reliable operation. This radio also includes an LED flashlight, a foldable reading lamp, an SOS alarm, and the ability to charge external devices.

The Mesqool CR1009Pro DAB radio, showcasing its main features including the display, flashlight, and USB charging capability.

2. Product Overview

This section details the key features and components of your Mesqool CR1009Pro DAB radio.

Key Features:

- **DAB+ and FM Radio:** Digital and analog radio reception with auto-scan and 60 station presets (30 DAB, 30 FM).
- **Multiple Power Sources:** Internal 5000mAh rechargeable battery, solar panel, hand-crank generator, USB-C input, and support for 3x AAA batteries (not included).
- **Power Bank Function:** Integrated 5000mAh battery allows charging of external devices via USB-A output.
- **Integrated Lighting:** Bright LED flashlight (1.7W) with two brightness levels and a foldable reading lamp (0.9W) with adjustable angle.
- **Emergency SOS Alarm:** Activates a loud siren and flashing red light for emergency signaling.

- **Water Resistance:** IPX4 rating provides protection against splashing water.
- **RDS Function:** Displays program information on FM radio.
- **Dual Alarm Clock & Sleep Timer:** Customizable alarms and a timer for automatic power-off.
- **Headphone Jack:** For private listening.
- **DRC (Dynamic Range Control):** Adjustable compression rate for DAB audio.

3. Setup

3.1 Initial Charging

Before first use, it is recommended to fully charge the internal 5000mAh battery using the provided USB-C cable. Connect the USB-C end to the radio's input port and the USB-A end to a compatible power adapter (not included) or computer USB port.

3.2 AAA Battery Installation (Optional)

For an additional backup power source, you can install 3x AAA batteries (not included). Open the battery compartment cover, insert the batteries according to the polarity markings, and close the cover securely.

3.3 Antenna Extension

For optimal radio reception, fully extend the telescopic antenna when listening to DAB or FM broadcasts.

4. Operating Instructions

4.1 Power On/Off

Press the **POWER** button to turn the radio on or off.

4.2 Mode Selection

Press the **MODE** button to switch between DAB and FM radio modes.

4.3 DAB Radio Operation

1. **Auto Scan:** In DAB mode, press the **SCAN** button to automatically search for and store available DAB stations.
2. **Manual Tuning:** Use the **TUNE +/-** buttons to manually browse through stations.
3. **Presets:** To save a station, tune to it, then press and hold **PRESET STORE**. Use **TUNE +/-** to select a preset number, then press **ENTER** to confirm. To recall a saved station, press **PRESET RECALL** and use **TUNE +/-** to select the desired preset.
4. **DRC (Dynamic Range Control):** Access the menu to adjust the dynamic range compression for DAB broadcasts, which can improve listening in noisy environments.
5. **INFO:** Press the **INFO** button to display additional program information.

4.4 FM Radio Operation

1. **Auto Scan:** In FM mode, press the **SCAN** button to automatically search for and store available FM stations.
2. **Manual Tuning:** Use the **TUNE +/-** buttons to manually adjust the frequency.
3. **Presets:** Saving and recalling FM stations follows the same procedure as DAB presets.
4. **RDS (Radio Data System):** The screen will display program information such as station name and song title when available.

The radio's display showing DAB+ and FM frequency ranges, indicating its dual band capability.

4.5 Charging the Radio

The radio offers five methods for charging its internal 5000mAh battery:

- **USB-C Input:** Connect the radio to a USB power source using the provided cable. This is the primary and fastest charging method.
- **Solar Panel:** Place the radio with the solar panel facing direct sunlight. This method is supplementary and ideal for maintaining charge or slow charging in outdoor environments.
- **Hand-Crank Generator:** Rotate the hand-crank handle to generate power. This method is intended for emergency situations to provide short bursts of power for critical functions like the flashlight or SOS alarm.
- **AAA Batteries:** If installed, 3x AAA batteries can power the radio when the internal rechargeable battery is depleted.
- **Internal 5000mAh Battery:** The built-in battery provides extended operating time.

Illustration of the five available charging methods for the radio.

4.6 Using as a Power Bank

To charge external devices (e.g., smartphones), connect your device's charging cable to the USB-A output port on the radio. Ensure the radio has sufficient charge in its 5000mAh internal battery.

The radio functioning as a 5000mAh power bank, charging a smartphone and a smartwatch.

4.7 Flashlight and Reading Lamp

The radio includes both a flashlight and a foldable reading lamp:

- **Flashlight:** Press the flashlight button to activate. It typically has two brightness levels.
- **Reading Lamp:** Fold out the lamp from the top of the radio. Press its dedicated button to turn it on and adjust brightness. The angle can be adjusted for optimal illumination.

The radio's flashlight and reading lamp, each offering two brightness settings.

4.8 SOS Alarm

In an emergency, press the **SOS** button. This will activate a loud siren and a flashing red light to attract attention. Press the button again to deactivate the alarm.

The radio's SOS alarm function, featuring a flashing red light and a 105dB siren for emergency situations.

4.9 Dual Alarm Clock & Sleep Timer

The radio features a dual alarm clock, allowing you to set two independent alarms. You can choose to wake up to DAB radio, FM radio, or a buzzer sound. A sleep timer function is also available, allowing the radio to automatically turn off after a set duration (e.g., 15, 30, 45, 60, 90 minutes).

4.10 Personal Listening

Connect standard 3.5mm headphones to the headphone jack for private listening without disturbing others.

The radio supports personal listening via headphones, ideal for quiet environments.

5. Maintenance

5.1 Cleaning

Wipe the radio with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the surface.

5.2 Water Resistance

The radio has an IPX4 water resistance rating, meaning it is protected against splashing water from any direction. It is not designed to be submerged in water. Avoid exposing it to heavy rain or dropping it into water.

The radio is designed to withstand light splashes, suitable for outdoor use in mild weather.

5.3 Storage

When not in use for extended periods, store the radio in a cool, dry place. For optimal battery health, charge the internal battery periodically.

6. Troubleshooting

If you encounter issues with your Mesqool CR1009Pro DAB radio, refer to the following common solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or depleted battery; AAA batteries incorrectly installed.	Charge the internal battery via USB. Check if AAA batteries are inserted correctly and have sufficient power.
Poor radio reception	Antenna not extended; weak signal area.	Fully extend the telescopic antenna. Reposition the radio for better signal. Perform an auto-scan again.
No sound from speaker	Volume too low; headphones connected.	Increase the volume. Disconnect headphones if you wish to use the speaker.
SOS alarm activates accidentally	Accidental press of the SOS button.	Be mindful of the SOS button's sensitivity. Press it again to deactivate.
External device not charging	Radio's internal battery is low; faulty USB cable.	Ensure the radio has sufficient charge. Try a different USB cable.

7. Specifications

- **Brand:** Mesqool
- **Model:** CR1009Pro DAB
- **Radio Bands:** DAB/DAB+, FM (UKW 87.5-108MHz, DAB 5A 174.928-13F 239.200MHz)
- **Connectivity:** USB Type-C (Input), USB Type-A (Output)
- **Internal Battery:** 5000mAh Rechargeable
- **External Battery Support:** 3x AAA batteries (not included)
- **Power Sources:** USB, Solar Panel, Hand-Crank, AAA Batteries

- **Flashlight Power:** 1.7W
- **Reading Lamp Power:** 0.9W
- **Emergency Features:** SOS Alarm (siren and flashing red light)
- **Water Resistance:** IPX4
- **Additional Features:** RDS, DRC, Dual Alarm Clock, Sleep Timer, Headphone Jack
- **Material:** Durable Plastic

8. Warranty and Support

Warranty information for your Mesqool CR1009Pro DAB radio is typically provided with your product purchase. Please refer to the documentation included in the product packaging for specific warranty terms and conditions. For further assistance or technical support, please contact Mesqool customer service through their official channels.

Ask a question about this manual

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why is the solar panel on my Mesqool CR1009Pro emergency radio not charging the battery effectively even after a full day outdoors?

Based on the Mesqool CR1009Pro manual, it is important to understand that the solar panel is designed as a supplementary charging method rather than the primary one. Here are the reasons why you may...

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