

## Mesqool 1030DAB

# Mesqool DAB/DAB+ FM Digital Emergency Radio Model 1030DAB User Manual

Your guide to operating and maintaining your Mesqool emergency radio.

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## 1. INTRODUCTION

Thank you for choosing the Mesqool DAB/DAB+ FM Digital Emergency Radio Model 1030DAB. This portable multi-functional radio is designed to provide reliable communication and power in various situations, from daily use to emergencies. It features DAB+ and FM radio reception, multiple charging options, a powerful battery, Bluetooth connectivity, and integrated lighting. This manual provides detailed instructions for its setup, operation, and maintenance to ensure optimal performance and longevity.

## 2. PRODUCT OVERVIEW

The Mesqool 1030DAB is a versatile emergency radio equipped with several key features:

- **DAB+/FM Digital Radio:** Receives DAB+ (174.928-239.2 MHz) and FM (87.5-108 MHz) frequencies with storage for 80 stations (40 DAB+/40 FM).
- **2.4-inch TFT Color Display:** High-resolution screen for clear program information.
- **5 Charging Methods:** Built-in 12000mAh battery, Type-C charging, large monocrystalline solar panel, hand crank, and AAA batteries (not included).
- **High-Quality Sound:** 57mm full-range speaker with neodymium magnetic system for clear and powerful audio.
- **Bluetooth 5.0:** Connects as a Bluetooth speaker with a range of up to 30 meters.
- **Smart Clock Functions:** Dual alarm settings and an automatic sleep timer.
- **Multi-functional Lighting:** Integrated flashlight and adjustable reading lamp (12 LEDs, 2 intensity levels).
- **SOS Alarm:** Activates a loud emergency signal.



Figure 2.1: Mespool 1030DAB Emergency Radio (Yellow variant).

## 3. SETUP

### 3.1 Initial Charging

Before first use, fully charge the radio using the provided Type-C USB cable. Connect the cable to the radio's Type-C port and a standard USB power adapter (not included). The charging indicator on the display will show the battery status.

### 3.2 AAA Battery Installation (Optional)

For an additional power source, you can install 3 AAA batteries (not included) in the designated battery compartment. Ensure correct polarity when inserting the batteries.



Figure 3.1: Charging the radio via Type-C USB.



Figure 3.2: AAA battery compartment for optional power.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

Press and hold the **Power button** to turn the radio on or off.

### 4.2 Radio Operation (DAB+/FM)

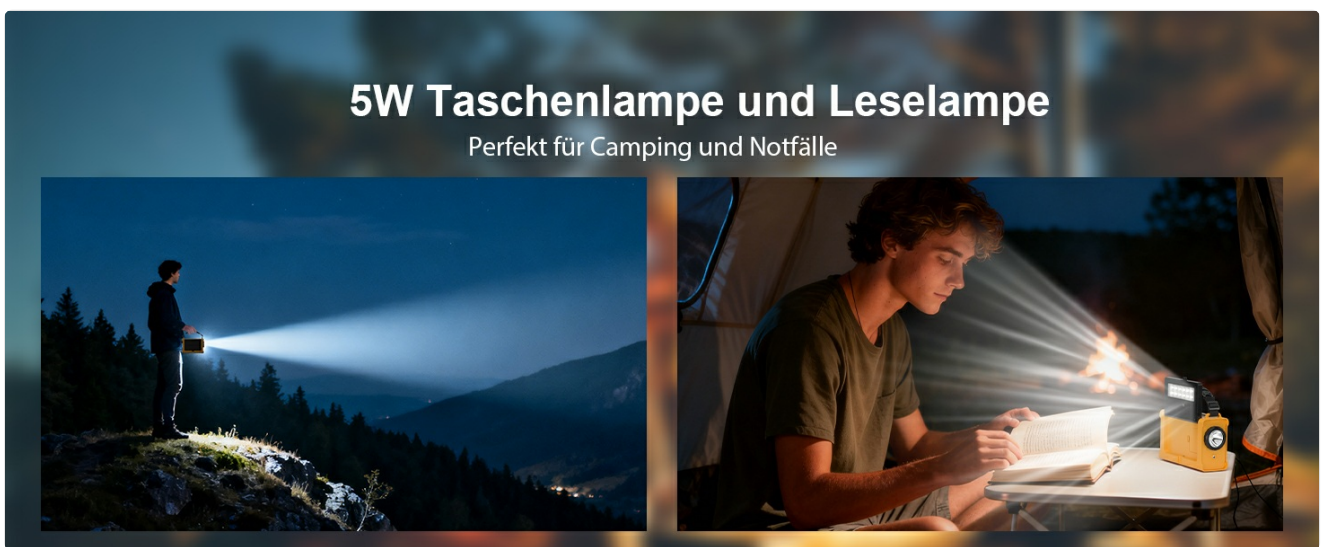
1. **Select Mode:** Press the **Mode button** to switch between DAB+ and FM modes.
2. **Auto Scan:** In either DAB+ or FM mode, press the **Scan button** to automatically search for and save available stations. The radio can store up to 40 DAB+ and 40 FM stations.
3. **Manual Tuning:** Use the **Up/Down buttons** to manually tune to frequencies or navigate through saved stations.
4. **Volume Control:** Use the **Volume knob** on the side to adjust the audio level.
5. **Headphone Jack:** Connect 3.5mm headphones to the headphone jack for private listening.



## 2,4-Zoll- Großes Farbdisplay

Klares und intuitives 2,4-Zoll-TFT-Display für einfache Navigation und gute Sichtbarkeit

Figure 4.1: The 2.4-inch TFT color display shows station information clearly.



## 5W Taschenlampe und Leselampe

Perfekt für Camping und Notfälle

Figure 4.2: Connect headphones for a personal listening experience.

### 4.3 Bluetooth 5.0 Connectivity

1. **Enter Bluetooth Mode:** Press the **Mode button** until "Bluetooth" appears on the display.
2. **Pairing:** The radio will automatically enter pairing mode. On your device (smartphone, tablet), search for "CR1030DAB" in the Bluetooth settings and connect.
3. **Playback:** Once connected, you can play audio from your device through the radio's speaker.



## BLUETOOTH 5.0

Genießen Sie Ihre Lieblingsmusik, indem Sie Bluetooth „CR1030DAB“ verbinden

30 m Verbindungsreichweite  Stabilere Verbindung


 Verbesserte Übertragungsgeschwindigkeit

Figure 4.3: Pairing the radio with a smartphone via Bluetooth 5.0.

## 4.4 Charging Methods

The radio offers five ways to charge its internal 12000mAh battery or power the device:

- **Type-C USB Charging:** Connect the radio to a USB power source using the Type-C cable. This is the primary charging method.
- **Solar Panel Charging:** Open the solar panel on top of the radio and place it under direct sunlight. The large 8500mm<sup>2</sup> monocrystalline panel provides efficient charging.
- **Hand Crank Charging:** Extend the hand crank on the side of the radio and rotate it clockwise or counter-clockwise at a steady pace. This method is ideal for emergency power generation.
- **AAA Batteries:** If installed, 3 AAA batteries can power the radio.
- **Power Bank Function:** Use the radio's USB-A output port to charge external devices like smartphones.



Figure 4.4: The 12000mAh battery can also charge external devices.



Figure 4.5: Hand crank and solar panel for emergency charging.

## 4.5 Flashlight and Reading Lamp

- **Flashlight:** Press the **Flashlight button** to turn on the front flashlight. Press again to cycle through brightness levels (if available) or turn off.
- **Reading Lamp:** Lift the reading lamp panel on the top of the radio. Press the **Lamp button** to turn it on. Adjust brightness as needed.



Figure 4.6: Using the integrated flashlight and reading lamp.

## 4.6 SOS Alarm

Press the **SOS button** to activate the loud emergency alarm and flashing light. Press it again to deactivate.



Figure 4.7: The SOS alarm provides an audible and visual alert.

## 4.7 Alarm Clock and Sleep Timer

- **Alarm Settings:** Access the menu to set up to two independent alarms. You can choose to wake up to your favorite radio station.
- **Sleep Timer:** Activate the sleep timer function to automatically turn off the radio after a set period (e.g., 15, 30, 60 minutes).



Figure 4.8: The sleep timer allows you to fall asleep to music.

## 5. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place. Ensure the internal battery has some charge to prevent deep discharge.
- **Water Resistance:** The radio is designed for outdoor use (IPX6 water-resistant). However, avoid submerging it in water.
- **Battery Care:** For optimal battery life, avoid fully discharging the internal battery frequently. Recharge it regularly, especially if stored for long periods.



Figure 5.1: The radio is IPX6 water-resistant, suitable for outdoor conditions.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Low battery or no power.	Charge the internal battery using Type-C, solar, or hand crank. Check if AAA batteries are correctly installed or need replacement.

Problem	Possible Cause	Solution
Poor radio reception.	Weak signal, antenna not extended.	Fully extend the telescopic antenna. Try repositioning the radio. Perform an auto scan for stations.
Bluetooth device cannot connect.	Radio not in Bluetooth mode, device too far, or not discoverable.	Ensure the radio is in Bluetooth mode. Keep the device within 30 meters. Make sure your device's Bluetooth is on and discoverable.
Hand crank not charging.	Cranking too slowly or inconsistently.	Rotate the hand crank at a steady, moderate pace.
Solar panel not charging.	Insufficient sunlight or panel not positioned correctly.	Place the solar panel directly under strong sunlight. Ensure no obstructions are blocking the panel.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	1030DAB
Brand	Mesqool
Tuning Technology	DAB+
Supported Radio Bands	DAB+ (174.928 - 239.2 MHz), FM (87.5 - 108 MHz)
Connectivity Technology	USB, Bluetooth 5.0
Power Source	Battery Powered (12000mAh internal, 3x AAA external)
Display Type	2.4-inch TFT Color Display
Product Dimensions (L x W x H)	17.3 x 12.1 x 7.4 cm
Item Weight	704 Grams
Special Feature	Portable, Flashlight, Reading Lamp, SOS Alarm, Power Bank
Internal Material	Acrylonitrile Butadiene Styrene (ABS)

## 8. WARRANTY AND SUPPORT

Mesqool products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or contact Mesqool customer support.

If you encounter any issues or have questions regarding your Mesqool DAB/DAB+ FM Digital Emergency Radio, please contact our customer support team through the retailer where you purchased the product or visit the official Mesqool website for contact details.

