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Mesqool 1030DAB

Mesqool 1030DAB Portable DAB/DAB+ & FM Radio User Manual

Model: 1030DAB

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your Mesqool 1030DAB Portable DAB/DAB+ & FM Radio. Please read this manual thoroughly before using the device to ensure proper function and safety. This device combines digital radio reception with multiple charging options, Bluetooth connectivity, and emergency features.

2. Product Features

- **DAB/DAB+ & FM Radio:** Receives digital DAB+ (174.928-239.2 MHz) and analog FM (87.5-108 MHz) frequencies. Stores up to 80 preset stations (40 DAB+/40 FM).
- **2.4-inch TFT Color Display:** High-resolution screen for clear display of program information.
- **Multiple Power Sources:** Integrated 12000mAh rechargeable battery, hand crank generator, solar panel, Type-C input, and compatibility with 3 AAA batteries (not included).
- **High-Quality Audio:** Equipped with a 57mm full-range speaker and neodymium magnet for clear and powerful sound. Includes a 3.5mm headphone jack.
- **Bluetooth 5.0 Connectivity:** Easily stream audio from smartphones or tablets with a range of up to 30 meters.
- **Smart Clock Functions:** Dual independent alarms and a sleep timer.
- **Emergency Features:** Integrated flashlight (5W, 2 adjustable levels), adjustable reading lamp (12 LEDs, 2 intensity levels), and a 120dB SOS alarm with red flashing light.
- **Power Bank Function:** 12000mAh battery can charge smart devices via USB-A and USB-C outputs.
- **Durability:** IPX6 waterproof and IPX4 dustproof rating.

3. Setup

1. **Unpacking:** Carefully remove the radio and all accessories from the packaging. Verify that all components listed in the 'Components Included' section are present.
2. **Initial Charge:** For optimal performance, fully charge the internal 12000mAh battery using the provided Type-C cable and a compatible power adapter (not included) before first use.
3. **Antenna:** Extend the telescopic antenna for improved DAB/DAB+ and FM radio reception.
4. **AAA Batteries (Optional):** If using AAA batteries, open the battery compartment and insert 3 AAA batteries, observing correct polarity.

4. Operating Instructions

4.1 Power On/Off

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

4.2 Radio Mode (DAB/DAB+ & FM)

The radio features a high-sensitivity IC and high-performance antenna for clear reception.

Image: The Mesqool radio with its antenna extended, illustrating its digital radio capabilities in an outdoor setting. The display shows 'DAB+ & FM Digital Radio' and highlights features like High-Sensitivity IC and High-Performance Antenna.

- **Switching Modes:** Press the **Mode button** to cycle between DAB, FM, and Bluetooth modes.
- **Auto Scan:** In DAB or FM mode, press the **Scan button** (often labeled 'Scan' or 'Menu') to automatically search for available stations. The radio will save found stations.
- **Manual Tuning:** Use the **Tune/Select knob** or **Previous/Next buttons** to manually tune to frequencies or browse stations.
- **Saving Presets:** After tuning to a desired station, press and hold the **Preset button** to save it. Follow the on-screen prompts to select a preset number.
- **Recalling Presets:** Briefly press the **Preset button** and use the **Tune/Select knob** or **Previous/Next buttons** to select a saved station.

4.3 Bluetooth Mode

Connect your smartphone or other Bluetooth-enabled devices to stream audio wirelessly.

Image: The Mesqool radio showing its Bluetooth connectivity, with a smartphone displaying its Bluetooth settings and a successful connection to the radio.

- **Activate Bluetooth:** Switch the radio to Bluetooth mode. The display will show a Bluetooth icon, indicating it's ready for pairing.
- **Pairing:** On your device, search for Bluetooth devices and select "Mesqool 1030DAB" (or similar name)

to connect.

- **Audio Playback:** Once connected, play audio from your device. The radio will act as a speaker.

4.4 Alarm Clock & Sleep Timer

- **Setting Alarms:** Access the alarm settings through the menu. You can set two independent alarms, choosing the time, alarm source (buzzer or radio station), and frequency (daily, weekdays, weekends).
- **Sleep Timer:** Activate the sleep timer function to automatically turn off the radio after a set period (e.g., 15, 30, 60 minutes).

4.5 Flashlight & Reading Lamp

The radio includes a powerful flashlight and an adjustable reading lamp for various lighting needs.

Image: The Mesqool radio demonstrating its dual lighting features: a powerful flashlight for outdoor navigation and a reading lamp with 12 LEDs for comfortable reading in a tent.

- **Flashlight:** Press the **Flashlight button** to turn on the front flashlight. Press again to cycle through brightness levels (2 levels) or turn off.
- **Reading Lamp:** Open the solar panel to reveal the reading lamp. Press the**Lamp button** to activate it. Press again to cycle through brightness levels (2 levels) or turn off.

4.6 SOS Alarm

- **Activate SOS:** Press the **SOS button** to activate the emergency alarm. This will trigger a loud 120dB siren and a red flashing light.
- **Deactivate SOS:** Press the **SOS button** again to turn off the alarm.

4.7 Power Bank Function

Use the radio's internal battery to charge your external devices.

Image: The Mesqool radio connected via a USB cable to a smartphone, demonstrating its power bank capability to charge external devices.

- Connect your smartphone or other USB-powered device to the radio's USB-A or USB-C output port using an appropriate charging cable.
- The radio's 12000mAh battery will begin charging your device.

5. Charging Methods

The Mesqool 1030DAB offers five versatile charging methods to ensure power availability in various situations.

Image: An illustration of the Mesqool radio highlighting its five distinct charging methods: the internal 12000mAh battery, the solar panel, the hand crank, the Type-C charging port, and the option for 3 AAA batteries.

- **1. Type-C Charging:** Connect the provided Type-C cable to the radio's Type-C input port and to a USB power adapter (not included) or computer. This is the primary and fastest charging method.
- **2. Solar Panel Charging:** Place the radio with its solar panel facing direct sunlight. The 8500mm² monocrystalline solar panel will convert sunlight into energy to charge the internal battery. This method is ideal for maintaining charge or slow charging in outdoor environments.

Image: The Mesqool radio with its oversized monocrystalline solar panel deployed, illustrating its large surface area (8500mm²) for efficient solar charging.

- **3. Hand Crank Charging:** Extend the hand crank handle and rotate it clockwise or counter-clockwise at a steady pace. This method generates power for emergency situations when other power sources are unavailable.
- **4. Internal 12000mAh Rechargeable Battery:** The radio features a large-capacity internal battery, providing extended operation time.

Image: The Mesqool radio highlighting its 12000mAh high-capacity battery, with estimated usage times for radio playback, light at normal brightness, light at high brightness, and SOS alert.

- **5. AAA Batteries:** The radio can also be powered by 3 AAA batteries (not included) as an alternative power source.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the radio's surface. Do not use abrasive cleaners or solvents.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, fully charge the internal battery at least once every three months, even if the radio is not in regular use.
- **Water Resistance:** While the radio is IPX6 waterproof and IPX4 dustproof, avoid submerging it in water or exposing it to heavy rain for extended periods. Ensure all port covers are securely closed.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio does not turn on.	Low battery.	Charge the radio using Type-C, solar, or hand crank. Check AAA batteries if installed.
Poor radio reception.	Antenna not extended or weak signal area.	Fully extend the telescopic antenna. Reposition the radio for better signal. Perform an auto-scan.
Bluetooth not connecting.	Radio not in Bluetooth mode or device not discoverable.	Ensure the radio is in Bluetooth mode. Make sure Bluetooth is enabled on your device and it's in pairing mode. Try restarting both devices.
External device not charging.	Radio battery low or incorrect cable.	Ensure the radio has sufficient charge. Use a compatible USB charging cable for your device.
Solar charging is slow.	Insufficient sunlight or panel not optimally positioned.	Place the solar panel directly under strong sunlight. Ensure no obstructions. Solar charging is supplementary and slower than Type-C.

8. Specifications

Feature	Detail
Brand	Mesqool
Model Number	1030DAB
Color	Green
Tuning Technology	DAB+
DAB Frequency Range	174.928 - 239.2 MHz
FM Frequency Range	87.5 - 108 MHz
Bluetooth Version	5.0
Display	2.4-inch TFT Color Screen
Speaker	57mm Full-Range Speaker
Internal Battery	12000mAh Rechargeable
Solar Panel Size	8500mm²
External Power Input	Type-C
External Power Output	USB-A, USB-C
Headphone Jack	3.5mm
Flashlight Power	5W

Feature	Detail
Reading Lamp	12 LEDs
SOS Alarm Volume	120dB
Waterproof Rating	IPX6
Dustproof Rating	IPX4
Dimensions (L x W x H)	17.3 x 12.1 x 7.4 cm
Weight	704 Grams
Material	Acrylonitrile Butadiene Styrene (ABS)
Components Included	DAB Radio, Charging Cable, User Manual, Carry Handle

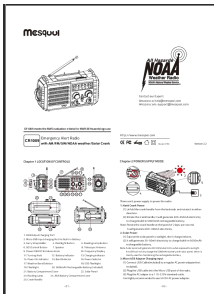
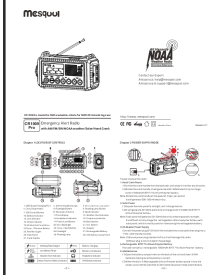
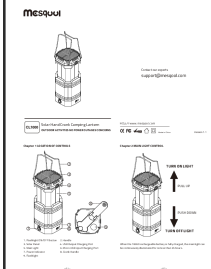
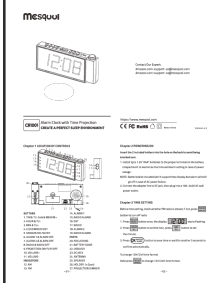
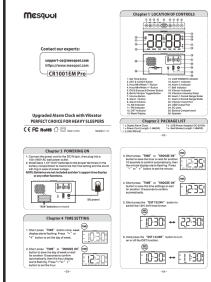
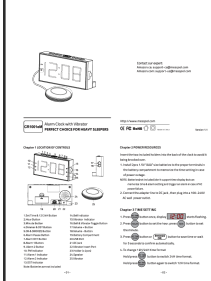
9. Safety Information

- Do not expose the radio to extreme temperatures, direct sunlight for prolonged periods (beyond solar charging), or high humidity.
- Keep the device away from strong magnetic fields.
- Do not attempt to disassemble or modify the radio. This may void the warranty and pose safety risks.
- Use only the provided charging cable or a certified Type-C cable for charging.
- Keep out of reach of children.
- Dispose of the product and its battery responsibly according to local regulations.

10. Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact Mesqool customer service through the retailer where the product was purchased. Please have your model number (1030DAB) and purchase details ready.

Related Documents - 1030DAB

	[Mesqool CR1009 Emergency Alert Radio User Manual] Comprehensive user manual for the Mesqool CR1009 Emergency Alert Radio, detailing its features, operation, power supply modes, and specifications. Includes AM/FM/SW/NOAA weather bands, solar crank, and USB charging capabilities.
	[Mesqool CR1009Pro Emergency Alert Radio User Manual] Comprehensive user manual for the Mesqool CR1009Pro Emergency Alert Radio, covering features like AM/FM/SW/NOAA weather bands, solar and hand crank power, flashlight, SOS alert, and device charging.
	[Mesqool CL1000 Solar Hand Crank Camping Lantern User Manual] User manual for the Mesqool CL1000 Solar Hand Crank Camping Lantern. This guide details its features, controls, power supply modes (solar, hand crank, USB), and specifications for outdoor activities and emergency preparedness.
	[Mesqool CR1001 Alarm Clock with Time Projection User Manual] User manual for the Mesqool CR1001 Alarm Clock with Time Projection, detailing its features, controls, and operation for creating a perfect sleep environment.
	[Mesqool CR1001EM Pro Alarm Clock User Manual] User manual for the Mesqool CR1001EM Pro alarm clock, detailing setup, time setting, alarm configuration, dimmer, USB charging, and troubleshooting.
	[Mesqool CR1001eM Alarm Clock with Vibrator User Manual] User manual for the Mesqool CR1001eM Alarm Clock with Vibrator, detailing its features, controls, alarm settings, dimmer, DST, USB charging, and vibrator functions. Perfect for heavy sleepers.