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> XHDATA D808 Portable AM FM SW LW Air Band Shortwave Radio SSB RDS Multi Band Digital Radio Speaker with LCD Display Alarm Clock External Antenna (Black) User Manual

## XHDATA D-808

# XHDATA D808 Portable Multi-Band Digital Radio User Manual

Model: D-808 | Brand: XHDATA

## INTRODUCTION

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The XHDATA D808 is a versatile portable digital radio designed for enthusiasts and general listeners alike. It features comprehensive band coverage including FM, AM (MW), Shortwave (SW), Longwave (LW), and Air Band, along with Single Side Band (SSB) reception. Utilizing DSP chip technology, it offers enhanced reception and selectivity. Key functionalities include an LCD display, alarm clock, temperature display, and memory for up to 500 stations. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your D808 radio.

## 1. SETUP

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### 1.1 Battery Installation and Charging

The D808 radio operates on a high-capacity replaceable Lithium-Ion battery. Before initial use, ensure to remove any protective paper from the battery compartment. The radio can be charged via a Type-C USB DC 5V input.

- Locate the battery compartment on the rear of the radio.
- Insert the provided 18650 Lithium-Ion battery, ensuring correct polarity as indicated inside the compartment.
- Close the battery compartment cover securely.
- Connect the supplied USB charging cable to the Type-C port on the side of the radio and to a compatible USB power source (e.g., computer USB port, USB wall adapter).
- The LCD display will indicate charging status.

# Product Size



## Product Accessories



Dedicated Package



User Manual



USB Charging Cable



External Antenna



Battery



Wrist Strap

Figure 1: Battery compartment and rechargeable battery. Ensure correct polarity during installation.



Figure 2: USB Type-C charging port for convenient power input.

## 1.2 External Antenna Connection

For improved reception, especially on Shortwave (SW) and Longwave (LW) bands, an external antenna can be connected.

- Locate the external antenna jack on the side of the radio.
- Plug the provided external antenna into this jack.
- Extend the antenna fully and position it for optimal signal reception.



Figure 3: Product accessories including the external antenna.

## 2. OPERATING INSTRUCTIONS

### 2.1 Power On/Off

- Press the **Power** button (usually red or orange) on the top right of the radio to turn it on or off.

### 2.2 Band Selection

The D808 supports multiple frequency bands. Use the dedicated buttons to switch between them:

- **FM**: Frequency Modulation (64-108MHz)
- **AM/MW**: Amplitude Modulation / Medium Wave (520-1710KHz)
- **LW**: Longwave (153-513KHz)
- **SW**: Shortwave (1711-29999KHz)
- **AIR**: Air Band (118-137MHz)

- **SSB**: Single Side Band (USB/LSB) - accessible via a dedicated button.



Figure 4: Full band coverage of the D808 radio.

## 2.3 Tuning Methods

The D808 offers several ways to tune into stations:

- **Manual Tuning Knob**: Use the large tuning knob on the right side for precise frequency adjustment. It supports both fast and slow tuning speeds.
- **Fine Tune Knob**: For SSB and very precise tuning, use the smaller "FINE TUNE" slider below the main tuning knob.
- **Direct Frequency Entry**: Enter the desired frequency directly using the numerical keypad. Press the **FREQ** button, then input the frequency, and press **ENTER** (or the corresponding button).
- **Automatic Tuning Storage (ATS)**: Press and hold the **FM SET** or **AM BW / FM ST** button (depending on the band) to automatically scan and store available stations.
- **Memory Recall**: The radio can store up to 500 stations. Use the **PAGE** and numerical buttons to recall saved

frequencies.



Figure 5: Front panel controls for tuning and operation.

## 2.4 Special Features

- **Alarm Clock:** Set an alarm to wake up to your favorite radio station. Use the **ALARM** button to configure.
- **Time Setting:** The radio features a clock function. Time can be set manually or automatically calibrated via RDS (Radio Data System) on FM.
- **Temperature Display:** The LCD can display ambient temperature in Celsius or Fahrenheit.
- **Signal-to-Noise Ratio Monitoring:** This feature helps in finding the optimal position for better reception.
- **Squelch Function:** Available for Air Band, this function mutes static noise when no signal is present.

# Portable Digital Radio

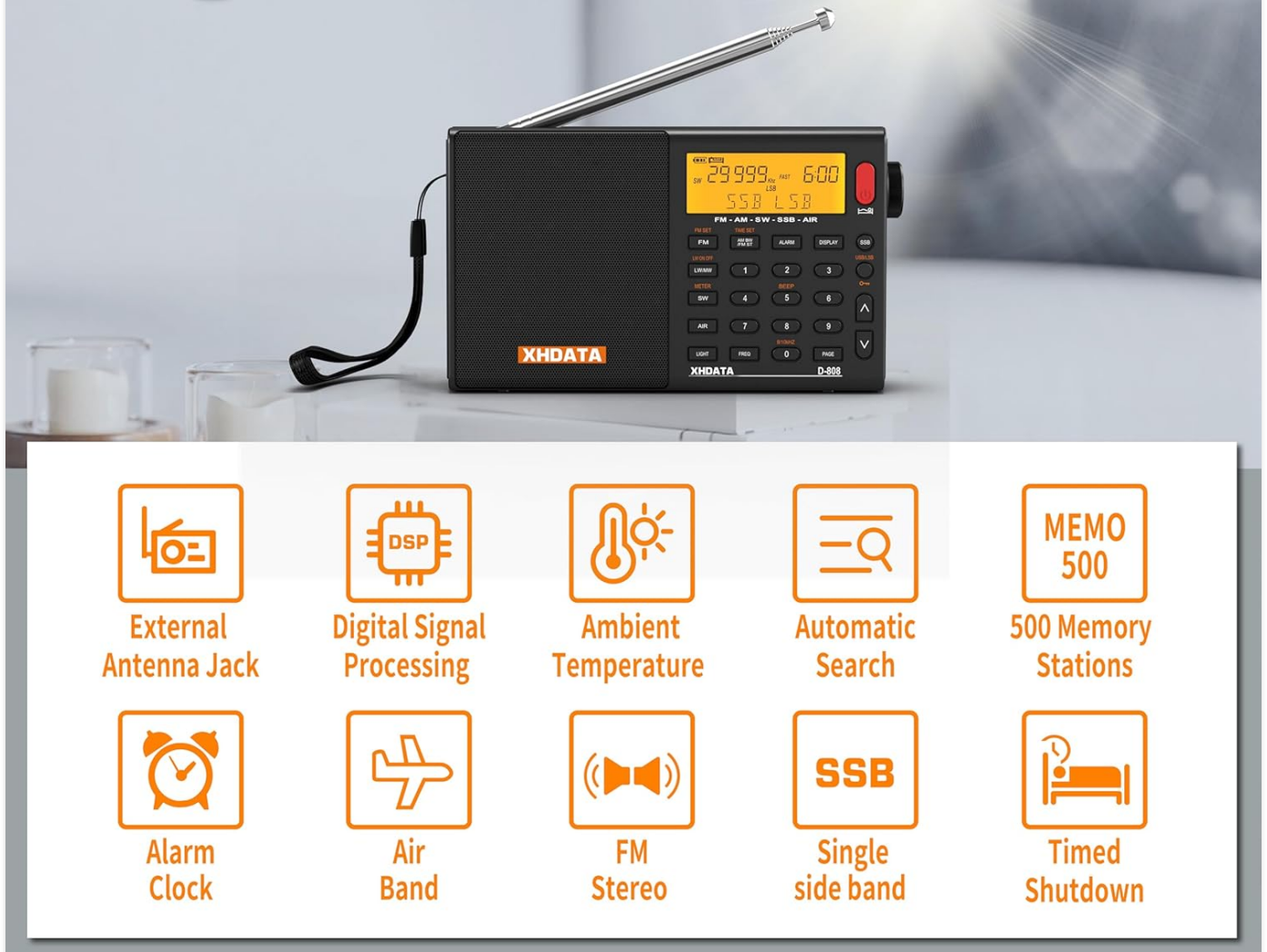


Figure 6: Overview of the D808's multi-functional capabilities.

## 2.5 Audio Output

The D808 features a built-in speaker for clear and bright sound. It also includes a 3.5mm earphone jack for private listening.

- **Built-in Speaker:** Provides strong noise reduction and sensitivity for general listening.
- **Earphone Jack:** Connect standard 3.5mm earphones for stereo FM listening and enhanced audio clarity.

## 2.6 Operational Video Guide

Watch this official video for a visual guide on the XHDATA D808's features and operation, including setting the alarm, adjusting tuning speed, and using the squelch function.

Your browser does not support the video tag.

Video 1: XHDATA D808 AM FM SW LW Air Band SSB RDS Radio - This video demonstrates various functions of the D808 radio, including time setting, alarm, temperature display, tuning methods, and charging options.

## 3. MAINTENANCE

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### 3.1 General Care

- Keep the radio clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Protect the radio from extreme temperatures, direct sunlight, and high humidity.
- Avoid dropping the radio or subjecting it to strong impacts.
- When not in use for extended periods, remove the battery to prevent leakage.

### 3.2 Battery Care

- Charge the battery fully before first use.
- Do not overcharge or deep discharge the battery.
- If the radio will not be used for a long time, charge the battery to about 50% and store it in a cool, dry place.

## 4. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or incorrectly installed.	Charge the battery or ensure it is installed with correct polarity. Remove any protective paper from the battery.
Poor reception or static.	Weak signal, interference, or antenna not extended.	Extend the telescopic antenna fully. Connect the external antenna. Move the radio to a different location away from electronic devices that may cause interference. Adjust the radio's position for better signal-to-noise ratio.
Display is dim or unresponsive.	Low battery or temporary software glitch.	Charge the battery. If unresponsive, try resetting the radio (refer to the RESET button location, usually a small pinhole).
Cannot save or recall stations.	Incorrect operation or memory full.	Refer to section 2.3 for detailed instructions on saving and recalling stations. The radio has 500 memory slots; ensure you are not attempting to save beyond this limit.

## 5. SPECIFICATIONS

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**Model:** D-808

**Brand:** XHDATA

**Dimensions:** 5.9 x 2 x 3.4 inches (157mm x 51mm x 86mm)

**Weight:** 1.12 pounds (approx. 508g)

**Frequency Range:**

- FM: 64-108MHz
- AM (MW): 520-1710KHz (9K/10K step selectable)
- LW: 153-513KHz (9K step)
- SW: 1711-29999KHz

- Air Band: 118-137MHz

**Power Source:** 1 x 18650 Lithium Ion battery (included), Type-C USB DC 5V IN

**Special Features:** Portable, Lightweight, Built-In AM Antenna, Built-In Clock, Rechargeable, DSP Technology, SSB (USB/LSB), RDS, Alarm Function, Temperature Display, 500 Station Memories.

**Connectivity:** USB (for charging), 3.5mm Earphone Jack, External Antenna Jack.

## 6. WARRANTY AND SUPPORT

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### 6.1 Warranty Information

For detailed warranty information regarding your XHDATA D808 radio, please refer to the warranty card included in the product packaging or visit the official XHDATA website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

### 6.2 Customer Support

If you encounter any issues or have questions not covered in this manual, please contact XHDATA customer support. Contact information can usually be found on the product packaging, the official XHDATA website, or through your point of purchase.

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