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> XHDATA D608WB Emergency Radio Hand Crank Weather Radio FM/AM/SW/NOAA Alert Portable Radio, Bluetooth MP3, USB/Solar/Hand Crank Charging, Flashlight, Reading Lamp and SOS Alarm Instruction Manual

XHDATA D608WB

XHDATA D608WB Emergency Radio Instruction Manual

Model: D608WB | Brand: XHDATA

1. INTRODUCTION

The XHDATA D608WB is a versatile emergency radio designed for reliable communication and power in various situations. It features multiple radio bands, diverse charging options, and integrated lighting and alert functions, making it an essential tool for emergencies, outdoor activities, and daily use.

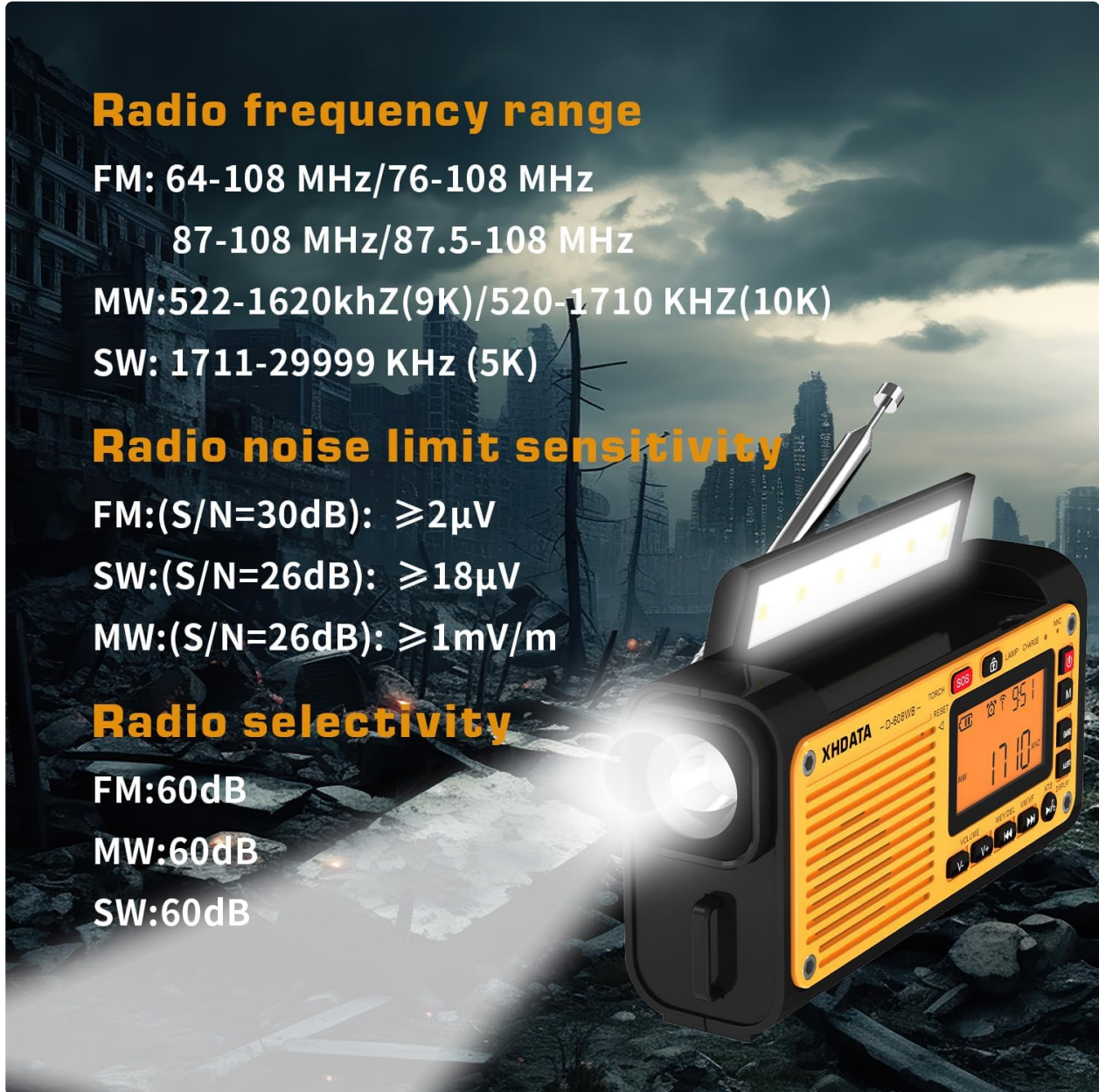


Figure 1: Front view of the XHDATA D608WB Emergency Radio.

2. PRODUCT FEATURES

2.1 Multi-Band Radio Reception

- **FM:** 64-108MHz (or 76-108MHz, 87-108MHz, 87.5-108MHz)
- **AM (MW):** 520-1710KHz (10K) / 522-1620KHz (9K)
- **Shortwave (SW):** 1711-29999KHz (5K)
- **NOAA Weather Band:** Receives 7 NOAA channels (162.40-162.55MHz) with automatic weather alerts.



Radio frequency range

FM: 64-108 MHz/76-108 MHz
87-108 MHz/87.5-108 MHz
MW: 522-1620kHz(9K)/520-1710 KHZ(10K)
SW: 1711-29999 KHz (5K)

Radio noise limit sensitivity

FM:(S/N=30dB): $\geq 2\mu\text{V}$
SW:(S/N=26dB): $\geq 18\mu\text{V}$
MW:(S/N=26dB): $\geq 1\text{mV/m}$

Radio selectivity

FM:60dB
MW:60dB
SW:60dB

Figure 2: Detailed radio frequency ranges and reception sensitivity.

2.2 Power Supply Options

- **Rechargeable Battery:** Equipped with a 3000mAh 18650 lithium-ion battery.
- **USB Type-C Charging:** For convenient charging via a standard USB-C cable.
- **Solar Panel:** Integrated solar panel for emergency charging in sunlight.
- **Hand Crank:** Manual hand crank generator for power generation when other sources are unavailable.

2.3 Integrated Lighting and Alert Functions

- **Flashlight:** Bright LED flashlight with three adjustable brightness levels.
- **Reading Lamp:** Foldable reading lamp with three adjustable brightness levels, ideal for low-light conditions.
- **SOS Alarm:** Activates a loud siren and a flashing red light for emergency signaling.



Figure 3: Visual representation of NOAA weather alerts, flashlight, reading lamp, and SOS alarm.

2.4 Bluetooth and MP3 Player

- **Bluetooth 5.0:** Connects wirelessly to smartphones for audio streaming and hands-free calling via the built-in microphone.
- **TF Card MP3 Player:** Supports TF (microSD) cards for playing stored MP3 audio files.
- **Bass Diaphragm:** Enhances sound quality, especially for music playback.
















				
Auto Frequency Search	Alarm Clock	500 Memory Stations		
				
Radio	NOAA Scan Alert	MP3 Player	SOS Alarm	Flashlight
				
TF card	Earphone Jack	Solar Panels	5.0 BT	Reading light

Figure 4: Illustration of Bluetooth connectivity and TF card MP3 playback with bass diaphragm.

2.5 Additional Functions

- **ATS (Auto Tuning Storage):** Automatically scans and stores available radio stations.
- **Sleep Timer & Alarm Clock:** Two alarm modes and a sleep timer for convenience.
- **LCD Display:** Clear digital display for frequency, time, temperature, and battery status.
- **Phone Charging:** USB-A output (5V/1A) to charge external devices like smartphones.

PRODUCT ACCESSORIES



Figure 5: Overview of all key features including radio, NOAA, MP3, SOS, flashlight, TF card, earphone jack, solar panels, Bluetooth, and reading light.

3. SETUP

3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all accessories are present:

- 1 x XHDATA D608WB Emergency Radio
- 1 x Rechargeable 18650 Battery
- 1 x Type-C Charging Cable
- 1 x Wrist Strap
- 1 x English Manual (this document)



Figure 6: Included product accessories.

3.2 Battery Installation

Locate the battery compartment on the rear of the radio. Insert the provided 18650 rechargeable battery, ensuring correct polarity (+/-). Close the battery compartment cover securely.

3.3 Initial Charging

Before first use, fully charge the radio using one of the following methods:

- **USB-C Charging:** Connect the supplied Type-C cable to the radio's DC IN 5V port and a USB power adapter (not included) or computer USB port. The 'CHARGE' indicator light will illuminate.
- **Solar Charging:** Place the radio with the solar panel facing direct sunlight. The 'CHARGE' indicator light will illuminate. Note that solar charging is slower and primarily for maintaining charge or emergency top-ups.
- **Hand Crank Charging:** Extend the hand crank handle and rotate it clockwise or counter-clockwise at a steady pace. The 'CHARGE' indicator light will illuminate. This method is for emergency power generation.



Figure 7: Visual guide to the four power supply options.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

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

4.2 Radio Operation (FM/AM/SW/NOAA)

- **Band Selection:** Press the **BAND** button to cycle through FM, AM (MW), Shortwave (SW), and NOAA Weather Band (WB).
- **Tuning:** Use the tuning knob on the right side of the radio to manually adjust the frequency.
- **ATS Function:** Long press the **ATS** button to automatically scan and store available stations.
- **NOAA Alert:** Long press the **ALERT** button to enter NOAA automatic scanning warning alert state.



Figure 8: Control panel layout and button functions for radio operation.

4.3 Bluetooth Mode

- **Pairing:** In radio ON state, short press the **M** button to switch to Bluetooth mode (BT will appear on LCD). On your mobile device, search for "XHDATA D608WB" and pair.
- **Audio Playback:** Once paired, you can stream audio from your device to the radio. Use the play/pause and track skip buttons on the radio.
- **Hands-free Calling:** If a call comes in while connected via Bluetooth, you can answer/end calls using the

play/pause button.

Video 1: XHDATA D-608WB Emergency Weather Radio Function Introduction. This video demonstrates various functions including Bluetooth connectivity.

4.4 MP3 Player (TF Card)

Insert a TF (microSD) card with MP3 files into the TF card slot. The radio will automatically switch to MP3 playback mode. Use the play/pause and track skip buttons to control playback.

4.5 Lighting Functions

- **Flashlight:** Short press the **TORCH** button to cycle through three brightness levels.
- **Reading Lamp:** Short press the **LAMP** button to cycle through three brightness levels for the reading lamp.



Figure 9: Demonstration of the 3-mode flashlight and reading lamp.

4.6 SOS Alarm

Long press the **SOS** button to activate the emergency alarm. This will emit a loud siren and flash the red light. Long press again to deactivate.

4.7 Alarm Clock and Sleep Timer

- **Setting Alarm:** Refer to the detailed instructions in the included D608WB English manual for setting the alarm clock.
- **Sleep Timer:** Refer to the detailed instructions in the included D608WB English manual for setting the sleep timer.

5. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (around 50%) and recharge every few months to maintain battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. If the radio will not be used for a long time, remove the battery.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Radio does not power on.	Low battery or incorrect battery installation.	Charge the battery or ensure it is installed correctly.
Poor radio reception.	Antenna not extended, weak signal, or interference.	Fully extend the telescopic antenna. Try repositioning the radio. Use ATS function to find stronger signals.
Bluetooth not connecting.	Radio not in Bluetooth mode, device too far, or not discoverable.	Ensure radio is in BT mode. Keep devices within range. Restart both devices.
TF card not playing.	Card not inserted correctly, unsupported file format, or corrupted card.	Reinsert TF card. Ensure files are MP3 format. Try a different TF card.

7. SPECIFICATIONS

Feature	Detail
Model Number	D608WB
Product Dimensions	6.4 x 2.1 x 3.5 inches
Item Weight	1.01 pounds
Battery Type	1 Lithium Ion battery (included)
Battery Capacity	3000mAh
Tuner Technology	Digital
Radio Bands Supported	FM, AM, Shortwave, Weather Band NOAA (4-Band)
Connectivity Technology	Bluetooth, USB
Special Features	Built-In AM Antenna, Built-In Clock, Rechargeable, Built-In Flashlight, SOS Alarm

8. WARRANTY AND SUPPORT

XHDATA offers a 30-day return policy and 1-year after-sales service for the D608WB Emergency Radio. For any inquiries or support needs, please contact XHDATA customer service.

You can also visit the official XHDATA store on Amazon for more information and products: [XHDATA Amazon Store](#)

