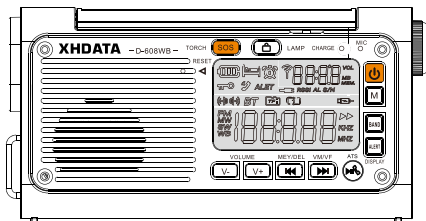# XHDATA D-608 WB

User Manual

Hand Cranked Emergency Power Generation Global Band Radio

Weather Band
NOAA Sever Weather Radio

3000mAh Reserve Power for Emergency Use and Mobile Phone Charging
Wireless BT Music and Wireless Calling

Various language versions →
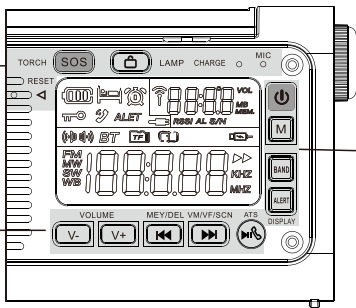
https://xhdata.com.cn/pages/d-608-manual

Function Operation

- RESET: Reset switch hole
- TORCH/SOS: Flashlight/Danger Signal
- LOCK/LAMP: Keyboard lock / Reading light
- CHARGE: Charging indicator
- MIC: Cell call microphone

- **Power:** Short press for ON / long press to set sleep timer.
- **M** • Select Bluetooth playback / TF card mode. Sets alarm with the radio off.
- BAND: Select radio band (FM/MW/SW/WB)
- ALERT/DISPLAY: Long press to standby for weather alerts / short press to change display options.

- V-/V+ (**VOLUME**) Short press to lower or raise volume - hold for continuous change.
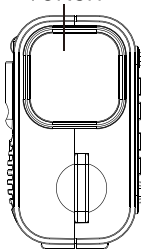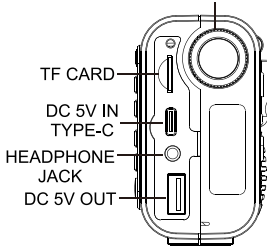
- ◄◄ -Previous song/quick rewind of Bluetooth / TF card. In radio mode store and delete stations in memory

- ►►I VM/VF(SCAN): Next song/fast forward for Bluetooth/TF card. In radio mode, it switches between tuning by frequency and tuning by memory location. A long press starts scanning for stations.

- ⏯/ATS : Play/pause for Bluetooth/TF card. Short press in Radio mode to mute/unmute the radio. Long press in radio mode to automatically search for and store stations. On the SW band, double-click to scan the current SW meter band.

TORCH

TUNING

TF CARD
DC 5V IN TYPE-C
HEADPHONE JACK
DC 5V OUT

FM/SW/WB Antenna

Solar Panel

Crank Generator Handle

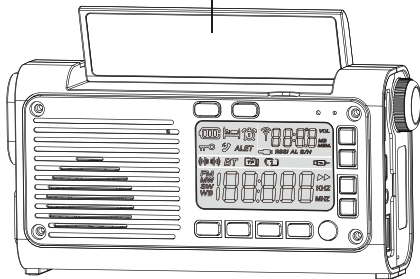POWER GENERATOR
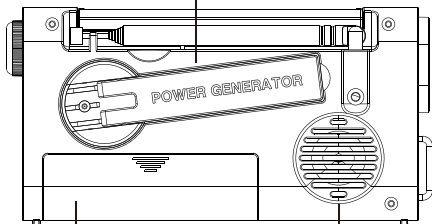
Bass Port

Battery Compartment

Reading Light

DISPLAY

Power Display

- Low battery
- Full battery
- Sleep timer on
- ALET Weather alert active
- Alarm on
- Keyboard lock
- Battery charging
- Incoming mobile phone call

Radio signal strength icon

- VOL volume
- MB SW short wave meter wave display
- AL Alarm time display icon
- MEM. ATS station memory location Radio
- 88 Radio signal strength value
  RSSI
- 88 Radio signal to noise ratio value
  S/N
- ℃/℉ Temperature Units

Secondary display area
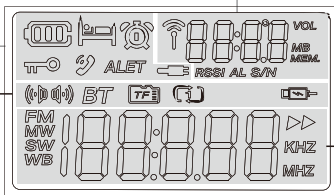
Main display area

- FM stereo
- BT Bluetooth active
- TF card icon
- TF plays single loop
- DC 5V output phone charging

- ▶▶ Fast tuning step
- KHZ Radio frequency is in kHz
- MHZ Radio frequency is in MHz
- FM/MW/SW/WB : FM/MW/SW/WB band display icon

Power Supply

- This radio comes with a battery pre-installed; remove the protective tab from the battery compartment to allow battery connection. When inserting a new 3.7V 18650 lithium battery, align the positive and negative symbols on the battery with those in the battery compartment.

- Connect a USB Type-C 5V cable to the DC IN 5V port on the side of the radio to power the radio and charge the battery.

Power on/off

- ⏻ Power on: Short press the power button, the display shows "ON"

- ⏻ Power off: Short press the power button, the display shows "OFF"

Radio Settings

The following settings are made with the radio powered off.

Set frequency coverage

- Different regions have different medium wave and FM frequency coverage. Set according to the conditions of your region.

- FM frequency range setting:
  With the radio off, long press (BAND), and repeatedly short press it to scroll through the FM band ranges. The screen will show 64, 76, 87, or 87.5 to indicate that the frequency coverage is: 64-108 MHz, 76-108 MHz, 87-108 MHz, or 87.5-108 MHz respectively.

- MW function band settings:

- With the radio off, long press (V-) to switch the bandwidth to 9K/10K.

  1. Set to: 522-1620KHz (9K) (use Asia, Europe, Africa and Oceania), in this state, the temperature will be displayed in degrees Celsius (°C).

  2. Set to: 520-1710KHz (10K) (for North and South America)
  In this state, the temperature will be displayed in degrees Fahrenheit (°F).

3.

⬤ Band Selection

- ⏻ Short press the (power) button to (ON)

- Short press the (BAND) key to switch bands (FM/MW/SW/WB)

- In the shortwave (SW) band, press and hold the (BAND) key until the Meter Band on the display flashes; then rotate the (TUNING) knob to cycle through each SW meter band. This provides a means to quickly skip through the frequencies.

- When receiving FM and shortwave, you can choose to use a whip antenna and rotate the antenna angle to get the best reception.

- Rotate the body angle for optimal reception sensitivity when using MW an LW

⬤ Tuning

▷ Multiple tuning options (Does not apply to weather band)

1. Manual scan frequency (VF)

- Short press (VF) key

- Turn the tuning knob slowly or quickly (TUNING)

2. Automatically browse radio frequency (VF)

- Long press the (VF) button to enter browsing. When a station is scanned, it will stop for 5 seconds. Short press (VF) to stop searching, and continue scanning without any operation.

▷ Manually store a station

1. Manually search for radio stations (VF)

- Select band

- Rotate (TUNING) to select the station frequency to be stored

- Short press the (MEY/DEL) button, the station number flashes in the upper right corner, rotate (TUNING) knob to select the stored radio station number.

- Short press the (MEY/DEL) button briefly again to store the station.

2. Fully automatic scanning and storage of radio stations

● Select band

● Long press the (🎙 ATS) key to automatically scan and store the entire band radio stations

3. Shortwave single meter band automatic search mode

● Quickly double-click the (🎙 ATS) key in the shortwave receiving state to enter the current meter band scanning memory mode.

————— Tip —————

Radio signals are affected by factors such as season, time of day, weather, receiving environment, electromagnetic interference, and receiving antenna orientation. Update ATS for current conditions.

▷ Recalling stored stations manually (VM)

1. Select the desired band (FM/MW/SW). Long press the (VM/VF) key until the memory location number on the display flashes indicating the radio is in VM mode.
2. Rotate the (TUNING) knob to select a memory location. If the display shows • •——• •then there are no stations stored for the band.

▷ Scanning stored stations (VM)

1. Select the desired band (FM/MW/SW). Press the (VM/VF) key until the memory location number on the display flashes indicating the radio is in VM mode. Long press (VM/VF) key to start by memory location. The radio will automatically increment the memory location and will play the station for 5 seconds, then continue on to the next station. If you short press the (VM/VF) key, the radio will stop on the current station.

● Deleting Stored Stations

▷ Deleting a single station

● Select the band. Repeatedly press the (VM/VF) key until the memory location on the display flashes to indicate that the radio is in VM mode. Rotate the (TUNING) knob to the desired memory location number. Press and hold the (MEY/DEL) key for 3 seconds to display "DEL", then short press again to confirm deletion.

▷ Deleting all stored stations for the current band

● Select the band. Press the (VM/VF) key until the memory location on the display flashes to indicate that the radio is in VM mode. Press and hold the (MEY/DEL) key until "DEL" appears, and continue to hold until "ALL" appears in upper right corner of the display. Press again to confirm deletion of all stored stations for this band.

Weather Band / NOAA Alerts

● WB/NOAA weather channels

- There are 7 channels in total: channels 1-7 (162.400-162.550MHz)

▷ Selecting a weather station

- (⏻) Short press (power) button to (ON) to turn on

- Select the band: short press the (BAND) button to WB, turn the (TUNING) shuttle to adjust the receiving frequency (162.400-162.550MHz)

▷ Automatically scan WB/NOAA radio channels and warn of reception methods

- (⏻) Short press (power) button to (ON) to turn on

- Select the band: Short press the (BAND) key to switch to any radio band

- Long press the (ALERT) key to directly enter the "NOAA" automatic scanning warning reminder state. When any "NOAA" channel issues a disaster warning, the machine will immediately send out a "sos" sound and light synchronized warning to remind the user to receive NOAA disaster warning information.

- Long press the (ALERT) key to eliminate the "S0S" warning signal. This machine automatically enters the "NOAA" disaster warning information receiving channel to receive voice warning information.

SOS Danger Distress Feature

- In any state, long press the (SOS) key to turn on the alert siren and flashing red light distress signal. Press again to stop.

7.

Use of the Flashlight and Reading Light

● In any state, short press (TORCH) to turn on the flashlight; there are 3 brightness levels to choose from. Short press (TORCH) repeatedly to switch between brightness levels or to turn off the flashlight.

● In any state, lift the solar panel and short press the (LAMP) key to turn on the reading light. There are 3 brightness levels to choose from. Press (LAMP) key repeatedly to switch between brightness levels or to turn off the reading light.

Headphones

● This radio is equipped with a 3.5mm stereo headphone jack. Stereo is available for FM, Bluetooth and TF card playback. Note: Stereo FM requires that the station broadcasts in stereo, and that the signal is sufficiently strong.

—— Tip ——

Stereo will not turn on when the station is using a mono radio or reception is weak

Bluetooth/MP3 Playback

TF card Music player

1. Insert TF card with music files

2. Short press the (M) key to enter the TF card MP3 playback state

TF

3. ◄◄ ►► Short press these two keys
Short press these two keys to select the previous and next song [tuning also selects songs]. Long press to achieve fast rewind and fast forward kinetic energy

4. ►II play/pause function button

5. In the TF playback state, long press the (BAND) key icon (🔁) to display and enter the single loop playback mode. Long press the icon (🔁) to close and enter all loop playback mode

6. Quick song selection: In MP3 playback state, single turn the shuttle button back and forth to select the previous or next song selection. Continuously turn the shuttle for more than one second to select the previous 30 songs or the next 30 songs.

8.
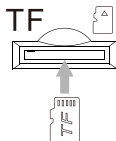
● Bluetooth function operation

▷ Music playback

1. Short press the (M) key to enter the Bluetooth playback state

2. Open the Bluetooth connection interface of the mobile phone, search for the Bluetooth connection name (D-608WB) and connect, it will display successful connection (^{BT})

3. Short press the (◄◄) or (►►I) key to select the previous/next song or you may select the song on your device.

▷ Wireless calling

When the phone is in Bluetooth connection state, short press ( ) to answer the call, and short press again to end the call.

▷ Bluetooth forced disconnection

● Press and hold the [   ] key for 3 seconds to disconnect from the current device. Long press again to reconnect to the device.

● Display content switch

● Press the (DISPLAY) key briefly in any state to switch between different content in the upper right corner of the display. When the radio is off, temperature and alarm time are displayed. When the radio is in radio mode, the options are: temperature, signal strength/signal to noise ratio, alarm time and local time.

● Display backlight

● Press any key on the radio or turn the (TUNING) knob to illuminate the display backlight for 5 seconds after which it will automatically turn off. Note: in weather alert mode, the backlight remains on constantly.

● **Sleep timer shutdown mode**

▷ Long press the (⏻) key to turn on the phone, then the sleep icon (🛏) flashes

● Turn the (TUNING) key to select the startup time [01-120] and it will flash for 3 seconds to confirm automatically.

● **Memory sleep timer shutdown mode**

● Short press the (⏻) key to enter the memory power-on state

● **Cancel sleep timer shutdown mode**

● Press and hold the (⏻) button to turn on the phone, turn the (TUNING) shuttle button, and adjust the sleep time zone to (ON).

● **Set clock**

1. In the power off state, press and hold the (🔛) key

2. The clock will flash. Turn the (TUNING) shuttle to adjust the hour, short press to confirm, adjust the minutes, and then press the short press to confirm. The adjustment is completed.

● **Alarm and scheduled shutdown function**

▷ Turn the alarm on and off (set when the radio is turned off)

1. Short press the (M) key, the alarm icon lights up (⏰) and the alarm is turned on. Short press the alarm icon again to turn it off (⏰)

▷ Adjust the alarm turn-on time and alarm duration (adjust when power off)

1. Press and hold the (M) key, the time in the secondary display area in the upper right corner flashes

2. Rotate the [TUNING] shuttle button to adjust the hours and press (M) to confirm. Then adjust the minutes and press (M) to confirm.

3. At this time, the main display area will adjust the alarm on duration to flashing, and turn the [Tuning] key within (0-60) minutes to select and then press briefly to confirm the adjustment is completed. Alarm icon lights up(⏰)

▷ Set how the alarm turns on

1. Alarm Mode

● Turn on the power, select the radio frequency you want to use as the alarm, and adjust the appropriate volume

● Press and hold the (M) key, the alarm icon (🔔) will flash for 3 seconds to confirm automatically, and the setting is completed.

2. Play TF card music alarm mode

● Insert the music TF card and turn on the power
Short press the (M) key to enter TF card playback and adjust the appropriate volume.

● Press and hold the (M) key, the alarm icon (🔔) will flash for 3 seconds and then automatically confirm that the setting is completed.

▷ Operations after turning on the alarm clock

After using the alarm clock to start the computer, you need to turn it off

● Short press the (⏻) key twice to turn off the machine

● To cancel the radio alarm clock lock frequency and music alarm clock lock, please short press the (⏻) key

● Keyboard lock

● Press and hold (🔒) for 5 seconds to lock the keyboard and (Tuning) button, and the icon (⊶) will light up. Press and hold for another 5 seconds to unlock the keyboard and (Tuning) button.

System Reset

● In rare situations such as accidental interference or failing power, the radio may appear locked, keys may not work, or the display may appear corrupt. Press the reset button with a sharp object such as a paperclip to reset the system. Feel for a click and take care not to use too much force.

RESET
○

Charging the radio

Normal charging

- When the machine's power display ( ) is low or the battery is exhausted ( ), please charge it immediately

- Connect one end of the USB charging cable to the DC5V_USB output adapter, and plug the other end into the local (TYPE-C) jack [the adapter output is DC5V (≥ 1A)] to charge the machine. The display shows ( ) charging symbol flashing

- When the icon ( ) is displayed, the charging symbol ( ) will not flash, indicating that it is fully charged.

Solar charging

- Point the solar panel of the device directly towards the sun to charge the device in an emergency. Tilt the solar panel if necessary to directly face the sun.

Hand Crank charging

- Grasp the radio firmly, pull out the hand crank arm and rotate briskly. The red CHARGE LED on the front panel will indicate that it is charging. This form of charging takes considerable amounts of time, so it should be considered an emergency solution. Note: The Hand crank can also be used as a kickstand for the radio.

－ Note －

To avoid interference during charging or insufficient charging current, which may cause automatic shutdown and longer charging times, please do not use the machine in the early stages of charging.

Mobile Phone Emergency Charging

● In any state, plug in the USB 5V output power port to charge the mobile phone in an emergency.

—— Note ——

Please do not use the radio function when charging external devices. The operation of the boost circuit will cause serious interference with the radio.

Safe Use of Lithium Batteries

1. The machine is powered by an 18650 3.7V rechargeable lithium battery. Only use batteries of the same or equivalent specifications. Improper use of lithium batteries may cause an explosion!

2. Do not charge non-rechargeable batteries!

3. Batteries must not be placed in high-temperature environments or in moisture, explosion, or smoke!

4. Do not disassemble, impact, or crush the lithium battery. If the lithium battery is deformed or bulged, it cannot be used.

5. Please use a safe and qualified adapter for charging

6. To maintain the greatest service life of the lithium battery when the machine is not used for extended periods of time, please charge it at least once every three months.

Specification

- **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)

- **Noise-limited sensitivity**

  FM: (S/N=30dB): $\geqslant$ 2μV
  MW: (S/N=26dB): $\geqslant$ 1mV/m
  SW: (S/N=26dB): $\geqslant$ 18μV

- **Radio selectivity**

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

- **Maximum number of memory stations**

  FM: 100 pcs
  MW: 100 pcs
  SW: 300 pcs

- **Maximum output power: 2.0 W**

- Headphone impedance: 16-32 Ω

- Speaker specifications:
  40mm (double iron boron 16 cores) 4Ω/5W

- TF card: support 32G

- Audio playback format:
  Mp3/ WMA/ WAV/ FLAC

- Bluetooth transmission distance: 10M

- DC: 3.7V (18650) power battery 3000mAh

- DC 5V input: DC5V/1000mA

FC CE ♻ ♻   Made in china

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