



**MODEL: WJ-WB1020**

EMERGENCY CRANK WEATHER ALERT RADIO

Table of contents-----	2
Features-----	3
Controls and Functions-----	4
WB1020 Power Sources-----	6
Using the USB Output Port to Charge a Device-----	7
Operating the Radio-----	8
Using the Weather Radio-----	9
WB1020 Setting Menu-----	11
LED Flashlight-----	12
SOS Flashlight Beacon-----	12
Using the Headphone Jack-----	13
Limited Warranty-----	14
Service-----	14

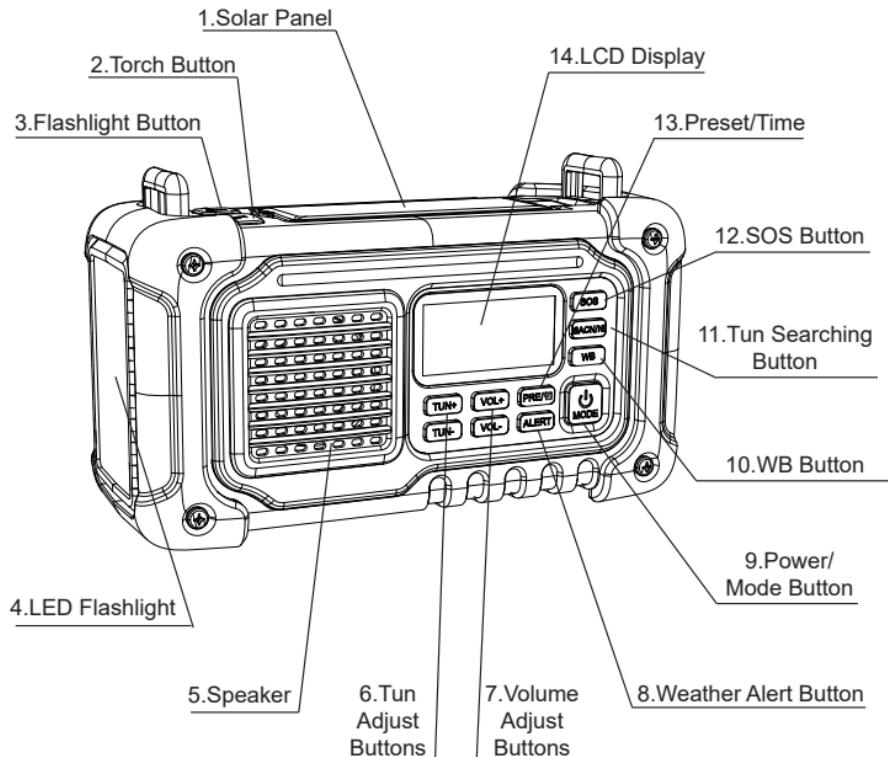
# Welcome to the World of our Electronics

The WB1020 is skillfully constructed from the finest components. Built with emergency situations in mind, the hand crank digital weather alert radio and flashlight are perfect for severe weather situations or daily use.

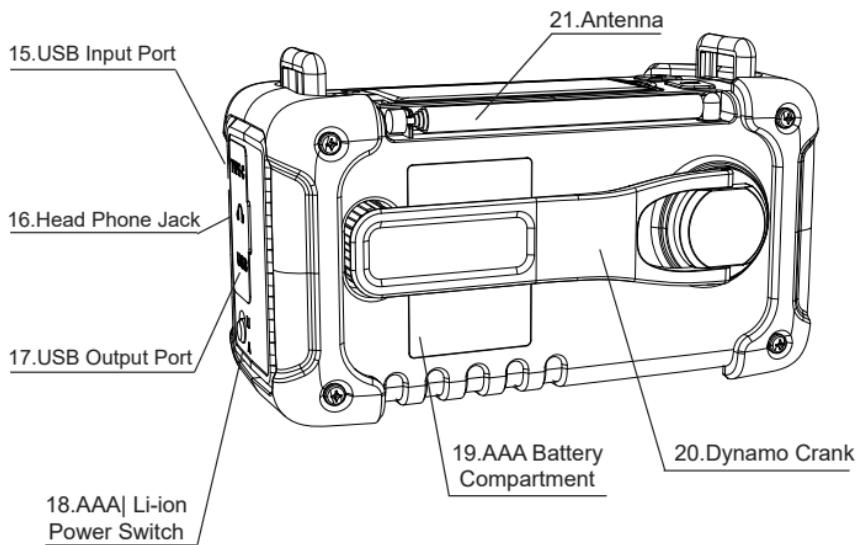
## Features

- Charge battery 3 ways: USB, hand crank or solar panel.
- 7 NOAA/NWS weather alert channels
- 10000mAh rechargeable Lithium-ion battery
- Bright LED beads
- Reading lamp
- SOS flashlight beacon
- Charging external electronic devices
- AM/FM/SW/BT radio
- AAA battery power option
- Rotatable telescopic antenna
- Digital clock
- Headphone jack
- Large, bright, backlit LCD

# Control and Functions



# Control and Functions Continued...



# Powering Your WB1020

**USB Charging Cable:** Before the WB1020 is used, the internal rechargeable battery pack should be charged with the USB charge cable until the battery icon indicates a full charge. To charge the WB1020 with the USB cable, switch the power source switch to the “Li” position. Then, insert the USB charge cable into a USB power source and plug the Type-C USB connector into the port labeled “**Type- C**” on the side of the radio. The CHARGE indicator light will be lit when the USB charge cable is plugged in. The battery icon on the LCD will flash as the battery charges. When the Li-ion battery has reached full charge, the battery icon will stop flashing and will have 4 bars. It will take approximately 6 hours to recharge a completely depleted battery pack using the USB charge cable.

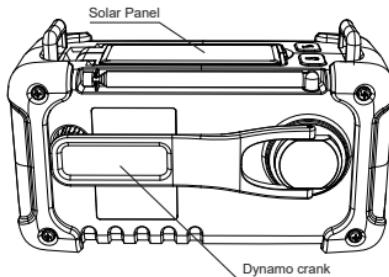
**Rechargeable Battery:** The included rechargeable battery is located in the battery compartment and is charged by turning the hand crank, exposing the solar panel to sunlight, or by using the USB cable to attach to a USB power source. The battery is specified as 3.7 VDC, 10000mAh, lithium ion (Li-ion).

## **Warning:**

- Do not use other Li-ion battery pack.
- Do not attempt to charge alkaline batteries or any battery packs other than the ones indicated in this manual. This could cause leakage and damage to the radio.

## Powering Your WB1020 Continued...

**Dynamo Power:** Turning the hand crank charges the built-in Li-ion battery pack. To charge the radio using the hand crank, make sure the power source switch is in the "Li" position and start turning the crank. The CHARGE icon "⚡" will be shown while the unit is being cranked. Speed of cranking and length of time cranked will determine the charge of the Li-ion battery. One minute of cranking gives up to 9 minutes of radio use time.



**Solar Panel Charge:** Make sure the power source switch is in the "Li" position. Then, place the WB1020 where the solar panel is exposed to direct sunlight. The CHARGE icon "⚡" will be shown while the unit is charging. The solar panel is only for maintaining the battery.

## Charging External Devices

Cell phones and USB-powered devices can be charged using the USB charge cable for that

device. Connect the charge cable to the USB outlet port on the side of the WB1020 labeled "USB". If the radio is on it will keep playing and go into charge mode. Once charging is completed; disconnect the device and charging cable from the WB1020. This will allow you to operate the other features in your WB1020.

## **Operating the Radio**

### **Turning the WB1020 On/Off & Selecting a Band**

- To turn the radio on, press the "◊" button. To cycle through AM, FM, SW, Bluetooth or Weather radio bands press the band button again.
- To turn the radio OFF, press and hold the MODE button for 2 seconds.

## **Adjusting the Volume**

- To adjust the volume, press the UP/DOWN VOLUME control buttons to adjust the audio.

## **Connecting the Bluetooth**

- To turn the radio on, press the "◊" button, then select the BT mode.
- Open your Bluetooth in phone and select WB1020 to pair.
- Short press "||" to pause music
- Long press "||" to disconnect bluetooth
- Press TUNE - to last song, TUNE + to next song.
- To disconnect Bluetooth, press the MODE button to select other modes.

## **Tuning the Radio**

- Press the MODE button to cycle through AM, FM, SW, Bluetooth and Weather radio bands.
- Once you are on the desired radio band, you can tune to the desired station with the TUNE up or down buttons. For best FM and Weather reception, fully extend the telescopic antenna and rotate until reception is clear.
- Press the SCAN button to automatically search and keep the stations in radio, quickly choose the desired station you need with PRESET button after finishing searching.

## **Using the Weather Radios**

### **About NOAA/NWS**

The National Oceanic Atmospheric Administration and the National Weather Service operates a system of weather and hazard alert broadcasts covering most of the United States. Typical broadcasts are within reception distance of 25-50 miles of the weather station. Fully extend the telescopic antenna and rotate until reception is clear. The WB1020 can receive broadcasts up to 50 miles from the weather station depending on your location and conditions of weather, terrain, etc. If reception is not good, try a different location to find a spot of improved reception. If indoors, placement near a window usually improves reception. If a weather broadcast cannot be heard on any of the 7 channels, contact your local NOAA/NWS office and verify the closest station is on air.

Their web site is <http://www.nws.noaa.gov/nwr/>.

## Selecting a Weather Channel

The WB1020 has 7 NOAA/NWS weather channels to choose from.

- Press the WB button to select the weather band.
- Then use the TUNE buttons to select the strongest weather channel in your area.

Ch. #	Frequency
1	162.400 MHz
2	162.425 MHz
3	162.450 MHz
4	162.475 MHz
5	162.500 MHz
6	162.525 MHz
7	162.550 MHz

## **Weather Alert Function**

- To enable the NOAA Weather Alert function, press the " ALERT " button.
- When enabled, the "ALERT" icon on the LCD screen will flash.
- When a weather alert is received, the WB1020 will sound an audible siren and the LCD will flash on all the time
- Press " MODE /ALERT " button on the WB1020 to stop the siren and exit.

## **WB1020 Setting Menu**

### **Setting the Clock**

- To set the clock, long press the PRESET/ Time button and select the 24 hour or 12 hour clock.
- Press the PRESET/ Time button to adjust the time again to adjust the minutes.

### **Backlight Option**

- The backlight will always be off when standby mode.
- The backlight will always be on when in AM/FM/SW/BT/WB mode.

### **Weather Channel Display Option**

The WB has 2 weather channel display options:

- Default: Displays weather channel frequency.
- WB: Displays which mode you choose

## LED Flashlight

The WB1020 has 2 flashlight brightness settings:

- Dim: The first press of the flashlight button will enable the dim setting.
- Bright: The second press of the flashlight button will enable the bright setting.

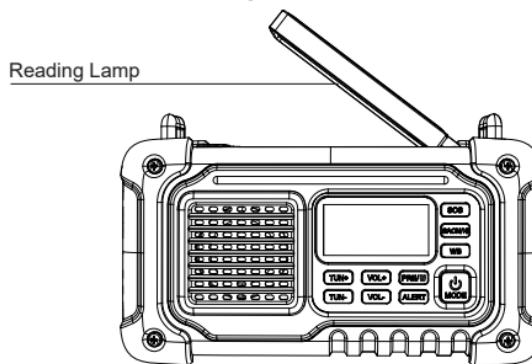
## SOS Flashlight Beacon

- To enable the SOS feature, press the red SOS button.
- To turn off the SOS feature, press the red SOS button.

## Reading Lamp

The WB1020 has 2 reading-lamp brightness settings:

- Dim: The first press of the reading-lamp button will enable the dim setting.
- Bright: The second press of the reading-lamp button will enable the bright setting.

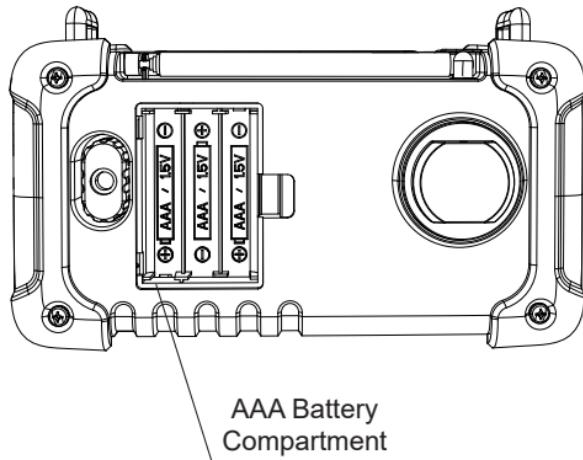


# AAA Dry Batteries

Remove the battery compartment cover which is on the bottom of the device, then insert 3 pieces AAA batteries into the compartment. The symbol displayed on the LCD screen battery level will be converted to AAA.

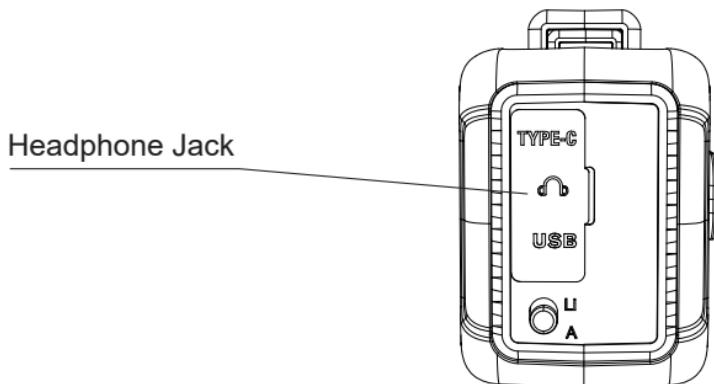
## NOTE:

- Ensure the negative(-) end is placed against the spring.
- There is a priority to use AAA dry batteries.
- Remove the AAA dry batteries when they are not in use.



# Using the Headphone Jack

Plug in a set of headphone (not included) that has a 1/8 inch(3.5mm) mono or stereo plug.



## Limited Warranty

Any WB1020 which fails due to a defect in material or workmanship within One Year following the initial consumer purchase, we promise to replace products without charge. This warranty does not apply to water damage, battery leak, abuse or misuse of unauthorized accessories, unauthorized service or modification or altered products. Accessories have a 90 day warranty from date of purchase, including any charge cables or batteries.

# Service

If you have a problem which you believe requires service, please first check and communicate with our service team in Amazon with a service technician. Many problems can be remedied without returning the unit for service. If necessary, return as follows:

- Pack the unit in its original box and packing. Then pack the original box in a suitable shipping carton.

Caution: Improper packing may result in damage during shipment.

- Include the following:
  - a. Full description of any problems.
  - b. product and all accessories (Charge Cable, compass, ect)

Replacement not covered by warranty or units that are over ONE year old are subject to a replace fee.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



AM FM WB Radio



MADE IN CHINA



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