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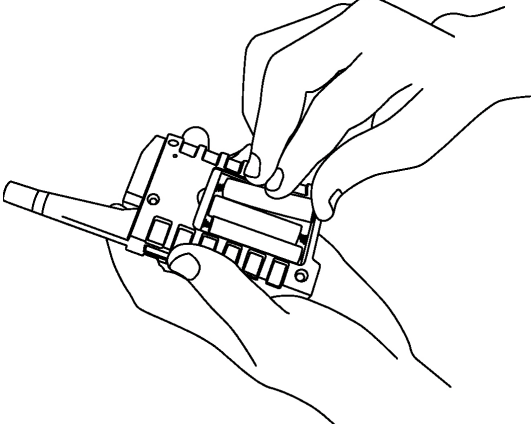
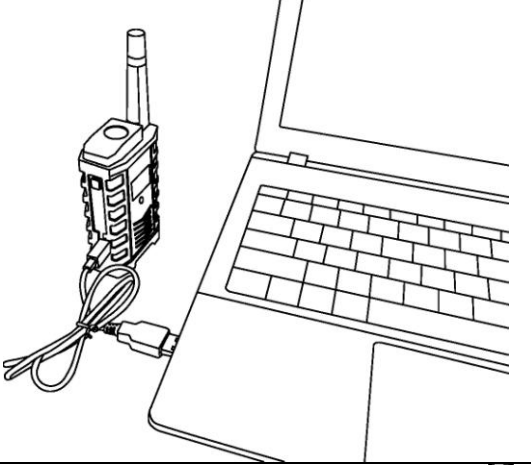
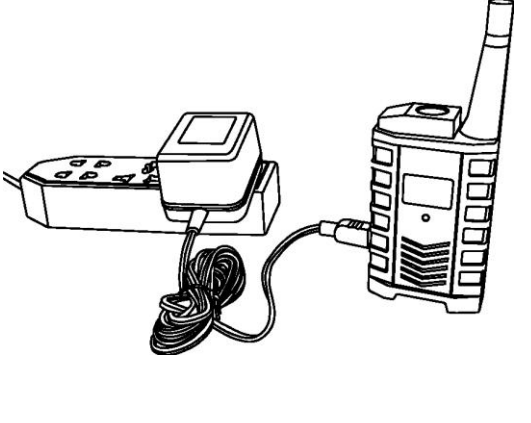
# Ambient Weather WR-091 Emergency Radio, Flashlight with AM/FM/NOAA Weather Band, Weather Alert User Manual



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## 1. Quick Start Guide

<ul style="list-style-type: none"> <li>Remove back cover and inset the rechargeable batteries.</li> </ul>	
<ul style="list-style-type: none"> <li>To recharge the unit, connect the USB power port to the PC USB port (cable include) or AC power (adaptor included).</li> <li>“Best practices” is to leave the radio plugged in all of the time, so it is fully charged in the event of an emergency. You cannot damage the radio.</li> <li>When listening to the radio, disconnect from USB or AC power to reduce the noise generated through the charging circuitry.</li> <li>In weather alert mode, we recommend you leave it plugged in all of the time. The weather alert mode consumes a significant amount of power because the radio is constantly scanning for the signal from the National Weather Service.</li> </ul> <p>If an emergency occurs, disconnect from the power source and listen to the voice of the National Weather Service.</p> <p>If you do lose power in an emergency, it is important to exit alert mode and actively listen to the voice of the National Weather Service until the emergency is over.</p>	 

## 2. Introduction

Thank you for your purchase of the Ambient Weather WR-091 Emergency Radio, Flashlight with AM/FM/NOAA Weather Band, and Weather Alert. To download the latest full size manual (for easy

viewing) and additional troubleshooting tips, please visit:

<http://ambientweather.wikispaces.com/wr091>



Figure 1

### 3. Important Notes

**Before using this product**, please read the following warning and cautions:

1. Read these instructions – All the safety and operating instructions should be read before the unit is operated.
2. Keep these instructions – The safety and operating instructions should be kept for future reference.
3. Heed all warnings – All warnings on the device and in the operating instructions should be adhered to.
4. Follow all instructions – All operation and use instructions should be followed
5. Do not use this item near water – The device should not be used near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
6. Clean only with dry cloth – The device should be cleaned only as recommended by the manufacturer.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other device (including amplifiers) that produce heat. The battery can explode.
8. Do not place near a fire. The battery can explode.
9. Only use attachments / accessories recommended by the manufacturer.

10. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as liquid has been spilled or the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. This device shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the device.
12. Unplug immediately if liquid has been spilled or any object has fallen into the unit.
13. Power Sources – The device should be connected to a power supply only of the type described in the operating instructions or as marked on the device. Do not overload wall outlet.
14. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
15. Do not attempt to dismantle, open or repair this product yourself. If a fault occurs, seek advice from Ambient Weather support only. Only the rechargeable battery can be replaced or serviced.
16. Only operate within specified temperature range (32 °F to 131 °F).
17. Do not store the AAA batteries for extend periods of time. They may leak or rupture and damage the unit.

**Before you start:**

- Remove the plastic battery pull tab that was included during shipping to energize the rechargeable battery.
- For long term storage, you may want to remove the fully charged battery or re-insert the plastic battery pull tab.

## 4. Features

The WR-091 includes the following features:

- LED flashlight
- AM/FM with Weather Band Feature
- Weather Alert Feature
- Backlight digital display
- Clock
- Rechargeable batteries with AC Adaptor

## 5. Getting Started

To packing materials consists of the following:

QTY	Item
1	WR-091 Emergency Weather Alert Radio
1	AC adaptor
1	User Manual

Remove the plastic battery pull tab that was included during shipping to energize the rechargeable battery.

## 6. Power Sources

The WR-091 can be powered from the following sources:

- AC power with included AC adaptor.
- DC power from a USB power source, such as a computer (optional mini USB Converter Cable)
- DC car charger by adding a USB to DC car adaptor (optional).

- 3 x AAA Battery rechargeable batteries (included)

## 7. Operation

### 7.1 Flashlight Operation

Turn the light on and off with the light switch on the upper left side of the unit (Figure 1).

### 7.2 Radio Operation

The WR-091 includes a digital LCD display (Figure 2) with backlighting, with the following push button controls:

- **POWER.** Turns on and off the radio. Transitions from clock display to radio tuner display.
- **MODE.** Switches the radio band between AM, FM, weather band, and weather band alert mode.
- **TUN+:** Adjusts the radio frequency up
- **TUN-:** Adjusts the radio frequency down
- **VOL+:** Adjusts the radio volume up
- **VOL-:** Adjusts the radio volume down

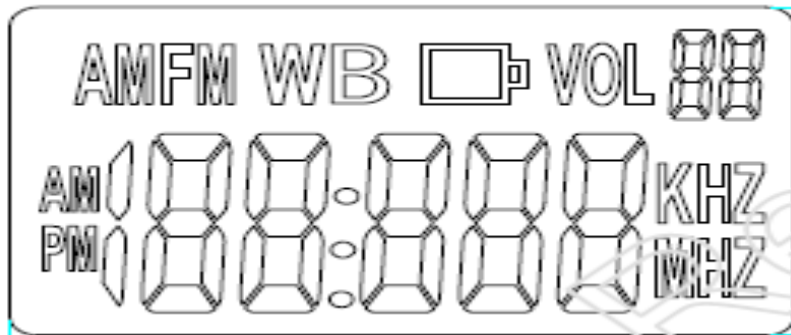


Figure 2

### 7.3 Time

When first powered up, the time will default to 12:00 AM.

1. **Set 12Hr/24Hr Mode.** Press and hold the **MODE** button for two seconds to enter the time setting mode. 12 Hr will begin flashing. Press the **TUN+** button to switch between 12 hour and 24 hour time mode. Press the **MODE** button to proceed to the next step.
2. **Set Hour.** Press the **TUN+** or **TUN-** to adjust the hour up or down. Hold the **TUN** button to change rapidly. Press the **MODE** button to proceed to the next step.
3. **Set Minute.** Press the **TUN+** or **TUN-** to adjust the minute up or down. Hold the **TUN** button to change rapidly. Press the **MODE** button to exit the time setting mode.

### 7.4 Radio Band Mode

**NOTE:** AM radio reception is dramatically reduced when charging from USB. Disconnect USB power when listening to the AM radio.

Press the **POWER** button to turn the radio on and transition from the time mode.

The radio will default to **FM** band (or the last radio band since power up). Press the **MODE** button to change to the **AM** band. Press the **MODE** button to change to the Weather Band (**WB**). While displaying the Weather Band, press and hold the **MODE** button for two seconds to change to Weather

Band Alert mode (the **WB** symbol will begin flashing).

### 7.4.1 AM/FM Radio Tuning

When the radio is turned on, press the **TUN+** button to increase the frequency and press the **TUN-** button to decrease the frequency.

To auto scan, press and hold the **TUN** (+ or -) key for at least one second and the radio will automatically tune to next radio station with sufficient reception.

### 7.4.2 Weather Band Tuning

There are seven distinct weather channels. The frequencies are 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz and 162.550 MHz.

For a complete list of weather radio broadcasting stations, please visit the National Weather Service website:

[www.nws.noaa.gov/nwr/indexnw.htm](http://www.nws.noaa.gov/nwr/indexnw.htm)

Our recommendation is to tune to the station with the best reception using the **TUN+** button. You will hear the “voice of the National Weather Service”, and automated voice that provides forecast information, weather statements, watches and warnings.

### 7.4.3 Weather Alert Mode

You can silence the radio and enter the alert mode. The radio will remain in standby mode until there is a weather statement, watch or warning. To activate the Weather Alert Mode, tune to your local station as defined in the previous section.

Press and hold the **MODE** button until the **WB** symbol begins flashing. The **WB** symbol will continue to flash until there is a weather statement, watch or warning. In the event of an alert, the alert light will flash and the radio will sound (with the voice of the National Weather Service). To disable the alert light, press any key. To disable the alert light but continue in alert mode, press and hold the **MODE** button to two seconds.

To verify you have reception in your area, the National Weather Service (NWS) normally run tests each Wednesday between 10 a.m. and noon local time. Tests may occur at other days and times when there is a threat of severe weather in the listening area or for other reasons.

The rechargeable batteries will run down quickly in the weather alert mode. Connect to the AC power for extended operation.

## 7.5 Battery Indication

- The low battery indicator is normally off
- When the battery voltage is less than 3.0V, the low battery indication will flash. The radio will not operate in a low battery condition.
- When the battery is recharging, the battery indicator will be on be displayed.

## 7.6 Headphone Operation

The WR-091 includes an audio output jack. This allows you to listen with headphones or connect to an auxiliary input source, such as an amplifier.

**CAUTION:** Guard your ears against hearing damage. When listening with headphones, start at the lowest volume and gradually increase until you can hear it comfortably and clearly.

**Read this Important Information before Using Your Earbuds:**

- Avoid extended play at very high volume as it may impair your hearing.
- If you experience ringing in your ears, reduce the volume or shut off the unit.
- Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note that excessively high volume may still block outside sounds.

## 8. Specifications

**Battery Power:**

3 x AAA Ni-MH Rechargeable batteries (800 mAh or 2,400 mAh total)

**Radio Bands:**

AM: 525 KHz to 1710 KHz

FM: 88 MHz to 108 MHz

WeatherBand: 162.400 to 162.550 MHz

**Flashlight:**

LED Flashlight

**Size and Dimensions:**

Dimensions: 3.5" x 2.25" x 1.0"

Weight: less than 0.25 lbs.

**Temperature Range:**

Working temperature range: 32 to 131 °F (0 to 55 °C)

Storage temperature range: 14 to 140 °F (-10 to 60 °C)

## 9. Troubleshooting Guide

If your question is not answered here, you can contact us as follows:



1. Email Support: [support@ambientweather.com](mailto:support@ambientweather.com)
2. Live Chat Support: [www.ambientweather.com/chat.html](http://www.ambientweather.com/chat.html) (M-F 8am to 4pm Arizona Time)
3. Technical Support: 480-283-1644 (M-F 8am to 4pm Arizona Time)

<b>Problem</b>	<b>Solution</b>
The Weather Band reception is poor.	<ul style="list-style-type: none"> <li>• Weather band reception can be poor inside a metal building, structure or where electronic noise is present. Try moving outside to improve reception</li> <li>• Check local reception by driving to a different location and testing the weather band reception.</li> <li>• Radio reception is dramatically reduced when charging from USB. Disconnect USB power when listening to the radio.</li> </ul>
I never receive weather alerts.	<p>Verify you receive the test alert from the National Weather Service on Wednesday as described in the weather alert section of this manual.</p> <p>Verify you have tuned the weather band to your local area and you have reception before activating the Weather Alert feature.</p> <p>Make sure you have good weather radio reception. If your radio reception is poor, you will not receive any</p>

Problem	Solution
	alerts.
How can I receive warnings only and not watches or statements?	Selective filtering of statements, watches and warnings is not possible. You will always receive all three levels.
The battery runs down quickly when the weather alert mode is active.	The rechargeable batteries will run down quickly in the weather alert mode. Because the radio is continuously scanning for the 1500 Hz emergency signal. It is recommended you connect to the AC power for extended operation.

## 10. Accessories

The following software and hardware accessories are available for the WR-091 at [www.AmbientWeather.com](http://www.AmbientWeather.com).

Accessory	Image	Description
<a href="#">Ambient Weather 10U2-03106BK USB Type A Male / Micro B Male Cable, 2.0 Version, Black, 6 ft.</a>		Connects power input to any computer USB connection.
<a href="#">Ambient Weather WR-DC1 USB to DC Converter for Small Electronic Devices</a>		Converts USB cable to DC car charger (requires <a href="#">Ambient Weather 10U2-03106BK USB Type A Male / Micro B Male Cable, 2.0 Version, Black, 6 ft.</a> ).

## 11. Liability Disclaimer

Please help in the preservation of the environment and return used batteries to an authorized depot. The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

Reading the “User manual” is highly recommended.

The specifications of this product may change without prior notice.

This product is not a toy. Keep out of the reach of children.

No part of this manual may be reproduced without written authorization of the manufacturer.

Ambient, LLC WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT.



## 12. Warranty Information

Ambient, LLC provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact Ambient, LLC for problem determination and service procedures.

Warranty service can only be performed by Ambient, LLC. The original dated bill of sale must be presented upon request as proof of purchase to Ambient, LLC.

Your Ambient, LLC warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (lack of reasonable and necessary maintenance); (2) damage resulting from failure to follow instructions contained in your owner's manual; (3) damage resulting from the performance of repairs or alterations by someone other than an authorized Ambient, LLC authorized service center; (4) applications and uses that this product was not intended (5) the products inability to receive a radio signal due to any source of interference, metal obstructions or other reception issues.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.



Recycle your old rechargeable batteries at one of the many collection sites in the U.S. and Canada. To find the site nearest you, visit <http://www.call2recycle.org/> or call toll-free 1-877-2-RECYCLE.