
Ambient Weather WR-334-U Emergency Solar Hand Crank Radio, Flashlight with AM/FM/NOAA Weather Band, Certified Weather Alert and Smart Phone/Portable Device Charger User Manual



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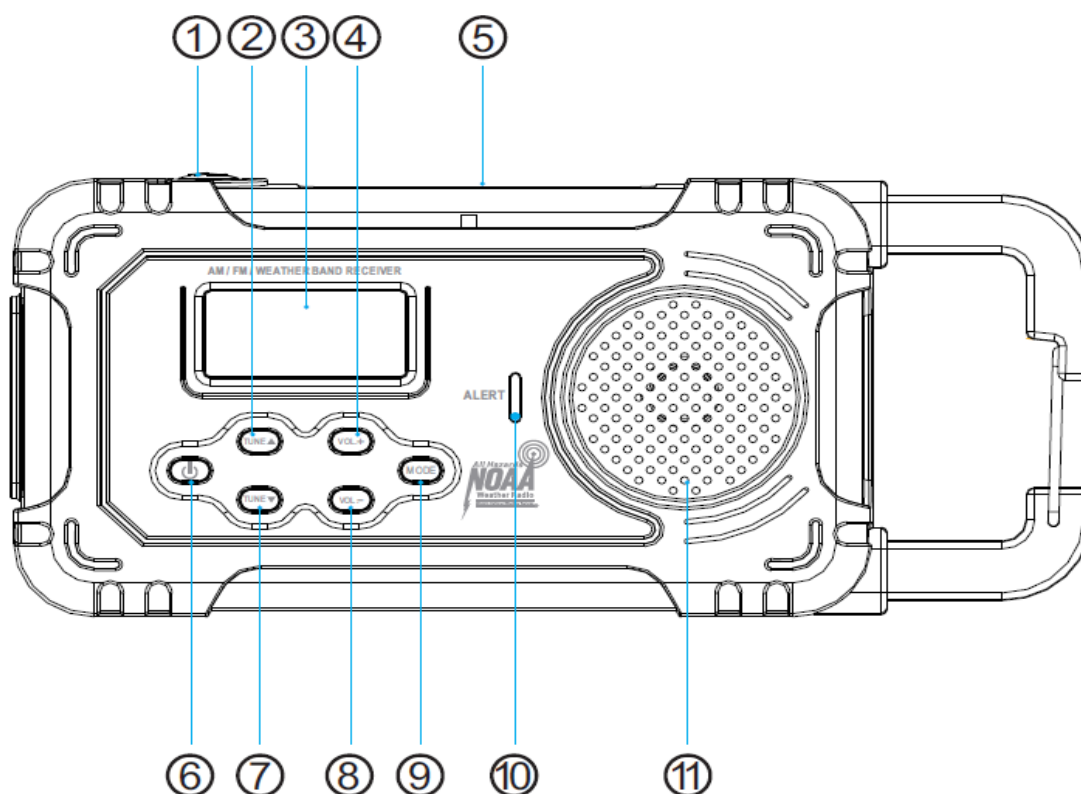
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1. Introduction

Thank you for your purchase of the Ambient Weather WR-334-U Emergency Solar Hand Crank Radio, Flashlight with AM/FM/NOAA Weather Band, Certified Weather Alert and Smart Phone / Portable Device Charger. To download the latest full size manual (for easy viewing) and additional troubleshooting tips, please visit:

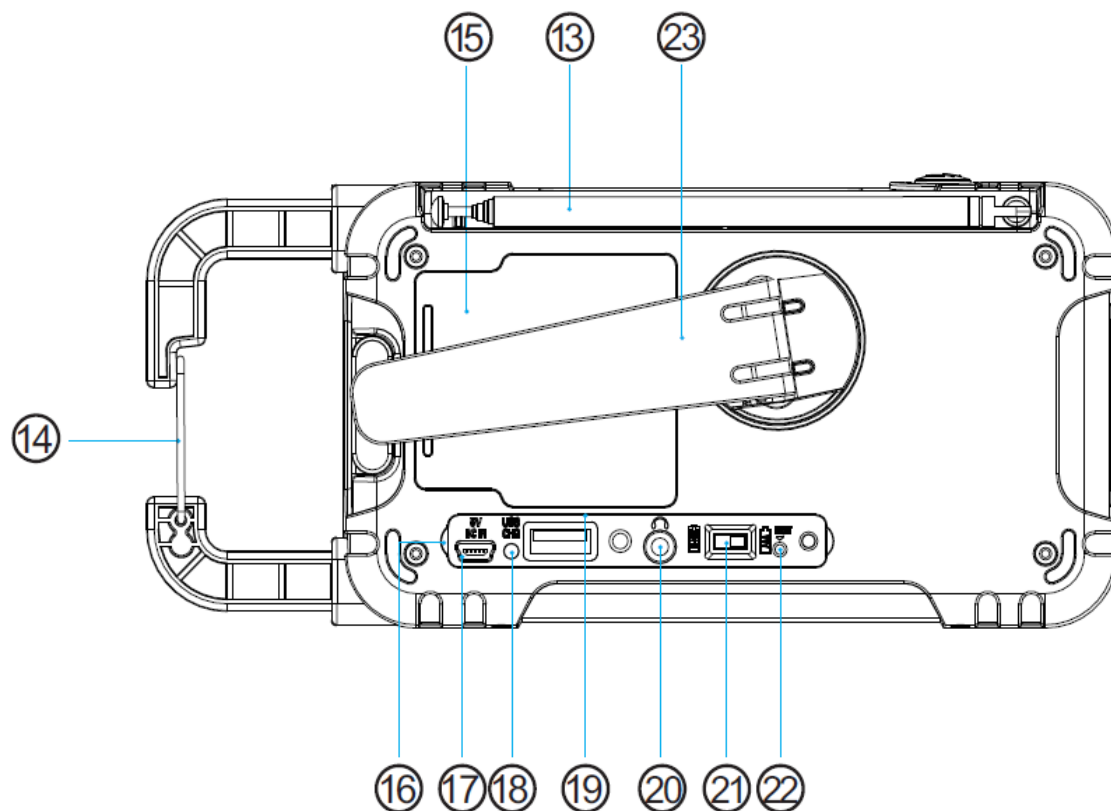
<http://ambientweather.wikispaces.com/wr334>

2. Controls



No	Description	No	Description
1	Flashlight ON/OFF button Emergency Siren / Flasher Light button	7	Clock/Radio Tune Down (▼) button
2	Clock/Radio Tune Up (▲) button	8	Volume Down (-) button
3	LCD Display	9	Radio Mode Select and Clock Set button
4	Volume Up (+) button	10	Weather Alert Indicator
5	Solar Panel	11	Speaker
6	Power On/Standby (⏻) Smart Phone / Portable Device On		

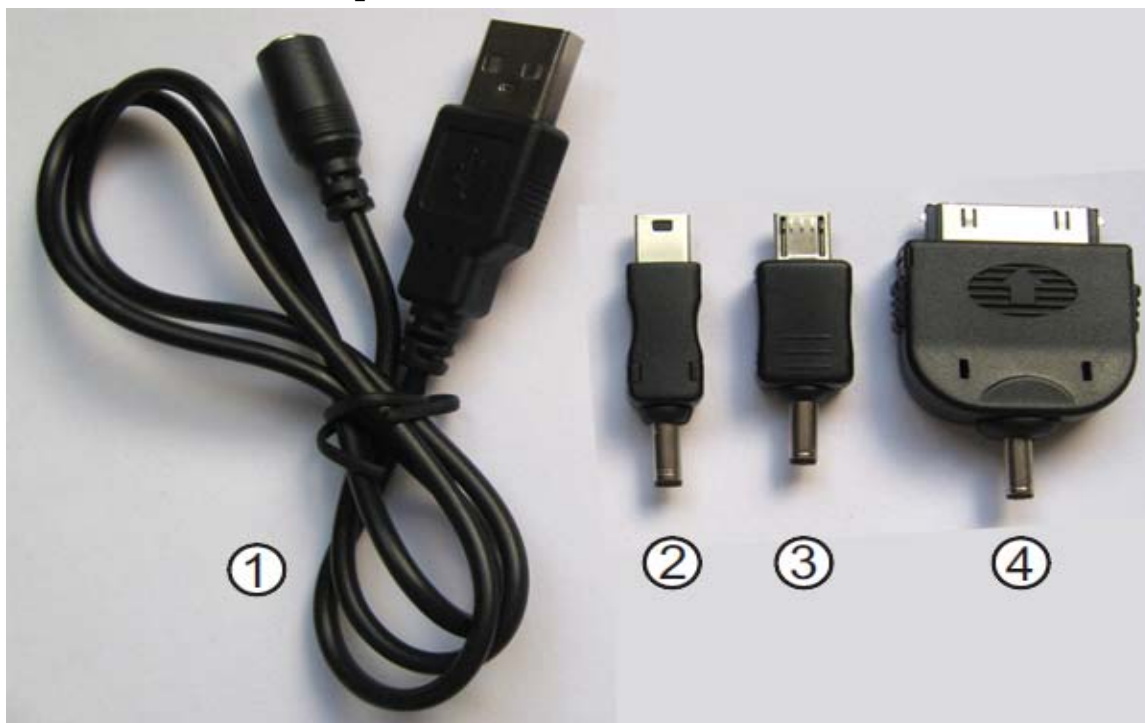
Figure 1



No	Description	No	Description
13	Telescopic Antenna	19	USB Charging Port (under the Rubber Dust Cover)
14	Metal Clasp	20	Headphone Jack (under the Rubber Dust Cover)
15	Battery Compartment	21	Power Source Selector (located under the Rubber Dust Cover)
16	Rubber Dust Cover	22	Reset button (under the Rubber Dust Cover)
17	Mini USB DC Input Port (under the Rubber Dust Cover)	23	Crank Handle
18	Charging Indicator (under the Rubber Dust Cover)		

Figure 2

3. Cables and Adaptors



Cable	Description
1	USB cable (connects to phone tips 2, 3 and 4)
2	Mini phone tip and USB/DC/AC Power Input tip
3	Micro phone tip
4	iPhone®/iPad®/iPod® tip

® Registered trademarks of Apple Inc.

Figure 3

The WR-334-U includes a USB to DC converter and USB to AC converter for connection to 5Vdc and 110Vac power sources.

4. Important Notes and Warnings

4.1 Notes

- Remove the plastic battery pull tab that was included during shipping to energize the rechargeable battery.
- Set the power switch (Figure 1, No 20) to the left 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.

4.2 Warnings

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. However, improper use can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference. Take special note of all warnings listed in these instructions.

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.
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.



Lithium Battery Safety Instructions

- Do not burn or bury batteries. Do not puncture or crush. Do not disassemble. Recycle Lithium batteries. Do not dispose of in the trash.
- If the electrolyte in the cells should get on your skin, thoroughly wash with soap and water. If in the eyes, rinse thoroughly with cool water. Immediately seek medical attention.
- Charge batteries on a fireproof surface away from flammable items or liquids.

5. Features

The WR-334-U includes the following features:

- Super bright 35 lumens LED flashlight
- Emergency Siren with Light Flasher
- AM/FM with Weather Band Feature
- Weather Alert Feature (public alert certified)
- Emergency cell phone/mp3/mp4/USB charger
- Backlight digital display
- Clock
- Audio output (headphones)

6. Power Sources

The WR-334-U can be powered from the following sources:

- DC power from a USB power source, such as a computer
- AC power by adding a USB to AC adaptor (included)
- DC car charger by adding a USB to DC car adaptor (included)
- Solar power
- Hand crank power
- Three AAA batteries (optional)

To select the power source, lift the rubber tab on the back of the WR-334-U to expose the connectors, as shown in Figure 2.

For AC, DC, USB, solar power and hand crank power source operation, choose the Lithium Ion



battery switch position:



For AAA dry cell battery power operation, choose the AAA battery switch operation:

NOTE: There is a charging LED on the back of the unit (Figure 4, reference 18). The LED lights RED during charging. When fully charged, the LED turns GREEN.

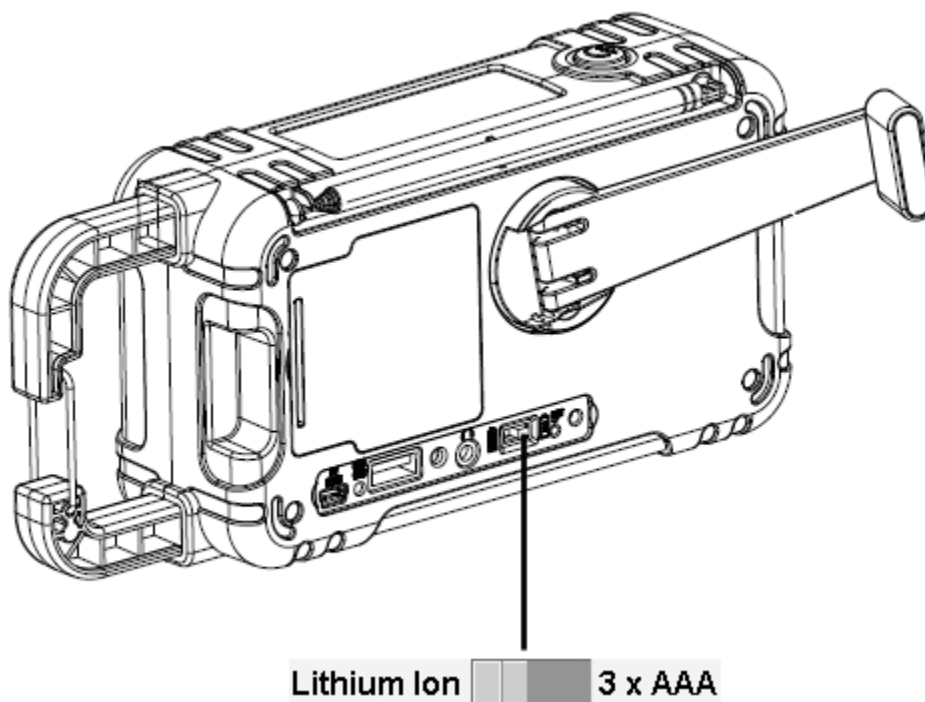


Figure 4

6.1 DC and AC Power

Prior to using the WR-334-U, we recommend you fully charge the rechargeable battery through the

USB Power Input (Figure 2).

Lift the rubber tab on the back of the WR-334-U to expose the power switch, as shown in Figure 2.



Select the Lithium Ion battery switch position:

Connect the DC power input cable (Figure 3) to the USB mini jack, and the other end to the USB power source. The red battery charge indicator light will illuminate when charging (Figure 2). Continue to charge the WR-334-U for several hours or until the charging light turns from red to green. The WR-334-U is now ready for use.

NOTE: Use 5.0V USB power source (from a computer or appropriate AC or DC adaptor). Over-voltage may result in damaging the WR-334-U.

6.2 Solar Power

Lift the rubber tab on the back of the WR-334-U to expose the power switch, as shown in Figure 2.



Select the Lithium Ion battery switch position:

Place the WR-334-U in direct (or indirect) sunlight with the solar panel facing upwards. The green battery charging light may illuminate when charging, as shown in Figure 1.

NOTE: There is not enough solar energy to turn on the red charging light. Thus, no light or a faint green light (which consumes less energy) may be present during solar charging.

NOTE: If the display heats up outside the operational range, the display will fade. For solar charging, partial sunlight or shade is sufficient.

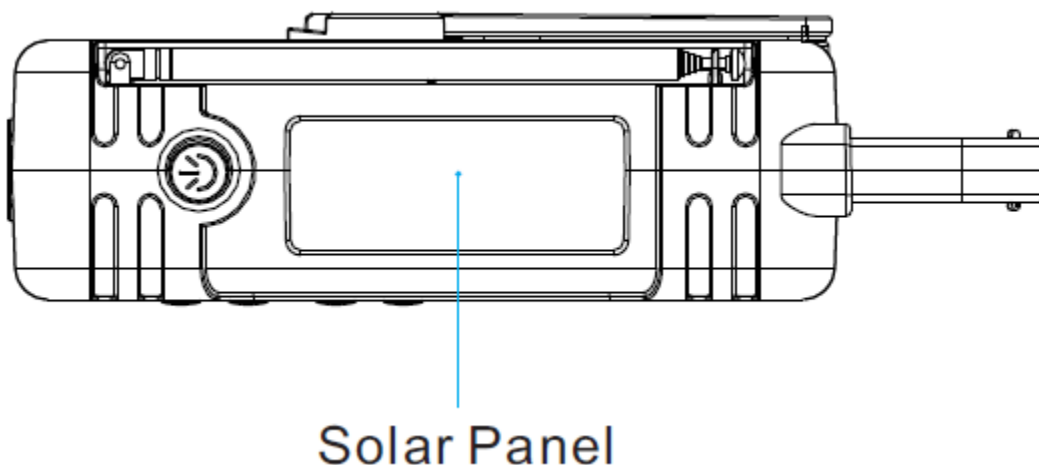


Figure 5

6.3 Hand Crank Power

Lift the rubber tab on the back of the WR-334-U to expose the power switch, as shown in Figure 2.



Select the Lithium Ion battery switch position:

To operate the hand crank, perform the following:

1. Lift the hand crank from the cradle, as shown in Figure 2.
2. Turn the hand crank either clockwise or counterclockwise at about two cranks per second for 3-5 minutes to activate the internal battery for initial use, or when the unit has not been used for more than 60 days. The red battery charging light illuminates when charging, as shown in Figure 1.
3. For subsequent charges, turn the hand crank for one minute to produce 70 minutes of continuous light for the LED flashlight, or 16-20 minutes of continuous radio usage (subject to volume) or approximately 3-5 minutes of talk time on the cell phone (your results may vary due to phone variation).

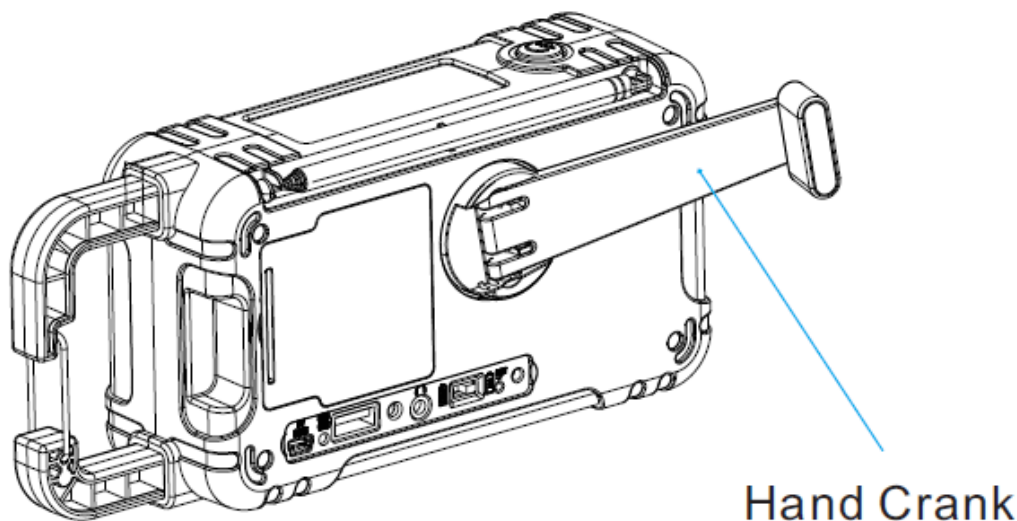


Figure 6

6.4 Dry Cell Battery AAA Battery Power

The WR-334-U also includes the option to power from 3 x AAA power instead of the rechargeable battery source. This is convenient if you have drained the rechargeable battery source and you wish to avoid hand cranking the unit.

1. Open the Battery Door on the back of the radio.
2. Insert 3 x AAA (UM-4) batteries (not included) and close the battery door.
NOTE: For optimum performance, alkaline-type batteries are recommended.
3. Following the polarity diagrams shown in the battery compartment,
4. Lift the rubber tab on the back of the WR-334-U to expose the power switch, as shown



in Figure 2. Select the AAA battery switch position:
NOTE: The AAA battery selection will disable the Lithium Ion rechargeable batteries.

NOTE: Make certain the batteries are installed correctly. The wrong polarity may damage the unit.

WARNING:

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Only batteries of the same or equivalent type as recommend are to be used.
- If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, batteries may explode or leak.

6.5 Power Consumption

The WR-334-U includes a 3.7 DC rechargeable Lithium Ion large battery capacity (600 mAh) as the primary energy storage, but different operational modes result in significantly varying power consumption requirements. Here is a general guide on power consumption, typical user operation and recommend power sources.

Mode	Typical User Operation	Power Consumption	Recommend Power Source
Flashlight	Emergency or remote use	Low	Solar, Hand Crank, AAA Batteries
AM/FM/Weather Band Radio	Emergency or remote use	Low	Solar, Hand Crank, AAA Batteries
Weather Alert	Continuous monitoring (1)	High	AC, USB (from computer)
Cell phone charging	Short term emergency use	High	AC, USB (from computer), Hand Crank, AAA Batteries

- (1) The weather alert mode consumes a significant amount of power because it is constantly scanning for the emergency 1050 Hz tone from the National Weather Service. We recommend connecting the power input to a USB computer port or the included USB to AC converter for continuous alert operation (reference Section 11). Otherwise, you must rely on hand crank power in this mode when no power is available.

7. Operation

7.1 Flashlight Operation

Turn the light on and off with the light switch on the top of the unit (Figure 1).

7.2 Emergency Siren with Light Flasher

To sound the emergency siren with light flasher, press and hold the flashlight switch for 3 seconds. To disable, let go of the flashlight switch.

7.3 Radio Operation

The WR-334-U includes a digital LCD display (Figure 7) 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

NOTE: The backlight will automatically turn off if no buttons are pressed for 20 seconds.

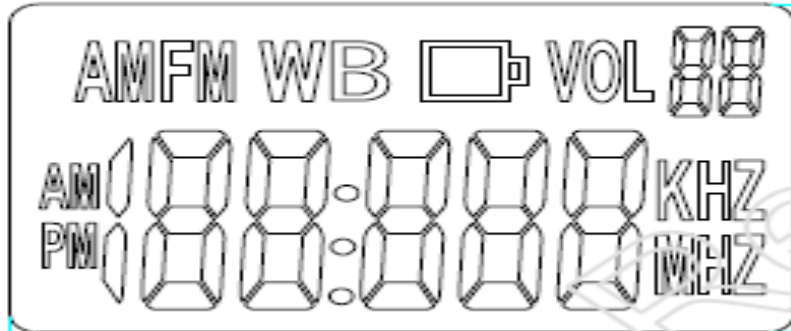


Figure 7

7.4 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.

7.5 Radio Band Mode

NOTE: Radio reception is dramatically reduced when charging from USB. Disconnect USB power when listening to the 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 the **MODE** button again to change to Weather Band Alert mode (the **WB** symbol will begin flashing).



Figure 8

NOTE: Radio interference will be present while charging the WR-334-U. For best reception, there is a telescoping antenna. Extend the antenna and change the position if the reception is weak.

7.5.1 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.

7.5.2 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

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.

7.5.3 Weather Alert Mode

You can silence the radio and enter the weather 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 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.

When a weather alert occurs, the radio will sound and the weather alert light will flash on the front of the unit. Press the power button  to disable the weather alert.

NOTE: If battery power is low, the unit will exit the weather alert mode and enter the time display mode.

7.6 Cell Phone and mp3/mp4 Operation

Because cell phone batteries vary in their current ratings, we cannot specify charging rates or usage time. 10 to 15 minutes of cranking may result in 1 or more minute of talk-time, but your results may vary.

NOTE: Charging a cell phone through the Phone Charger Jack is intended for emergency purpose only. It is not intended for recharging fully a discharged cell phone battery. Cell phone battery capacity significantly exceeds the battery capacity of the WR-334-U. Therefore, a fully charged WR-334-U will only partially charge a cell phone or mp3/mp4 device. After the battery stops charging

the device, begin cranking if a DC power source is not available to continue recharging the cell phone.



NOTE: You can charge a cell phone in either battery mode (Lithium Ion or AAA).

To charge the cell phone or music player device:

1. Press and hold the Power button  for 3 seconds until the charging icon begins flashing: . This feature will turn off all radio modes to conserve power.
2. Lift the rubber tab on the back of the WR-334-U to expose the connectors, as shown in Figure 2.
3. Plug the cell phone charging cable (Figure 3, reference 1) into the WR-334-U charge USB output (Figure 4 reference 19). Connect the appropriate cell phone tip (Figure 3, reference 2,3,4) into the other end of the cell phone charging cable (Figure 3). Plug other end of the cell phone tip (Figure 3, reference 2,3,4) into the cell phone's charging connector.
4. If the phone does not begin charging, begin cranking. When charging a cell phone via the cell phone charger, it is important to turn the crank at least two revolutions per second, or until you see red charging LED turn on. This is an indication that the phone is receiving enough power from the radio. Continue to crank at this rate until you are satisfied that an appropriate level of charge has been received by your cell phone. If you decide to stop cranking for whatever reason, please wait at least 5 seconds before cranking the radio again.

NOTE: You may receive a charging compatibility error on your cell phone, but your device may still charge and it will not harm your device.

CAUTION: Before charging, please refer to the user manual of the device you wish to charge to make sure the charging current required does not exceed 1Amp (1,000 mA) of charging current. Overloading the charge circuit may damage the WR-334-U and void the warranty.

7.7 Low Battery Indication

When the battery voltage is less than 3.0V, the low battery indication will be displayed:



The radio will not operate in a low battery condition.

7.8 Audio Output / Head Phones

The WR-334-U 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.

7.9 Resetting the Unit

If the unit experiences a power surge or electric shock, it is possible that the internal micro-controller may lock up and the unit will not respond to any commands from the panel controls. In this event, use a straightened paper clip, toothpick or similar objects to press the RESET button located on the back of the unit (see the below figure). The reset operation clears the system memory to factory default, and all of your previous settings will be erased.

CAUTION: Do not use a sharp or pointed object to press the reset button. It may damage the reset switch inside the unit.

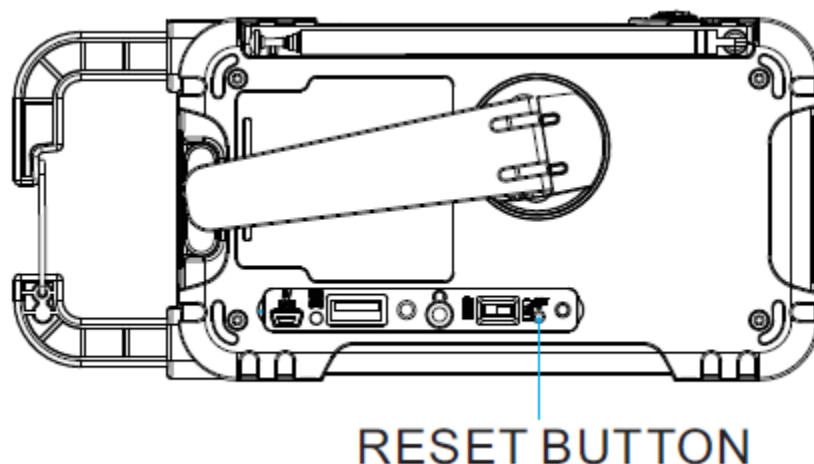


Figure 9

8. Care and Maintenance

8.1 Battery Maintenance

To maintain the battery:

- Periodically charge the battery to extend battery life
- Switch off power after radio use to extend battery life
- Remove the battery or reinsert the plastic battery pull tab for extended storage
- Remove the AAA batteries for extended storage to prevent battery leakage

The battery is a rechargeable 3.7V / 600 mAh lithium ion battery. To replace the battery, open the battery compartment cover (Figure 2) by squeezing the tab.

NOTE: Only replace with rechargeable 3.7V lithium ion battery (CR123A). Replacing the battery with a non-rechargeable battery may damage the unit. Rechargeable 3.7V lithium batteries are available from Ambient Weather.

8.2 General Care and Maintenance

- Do not tamper the internal components of the unit.
- Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.

- Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
- Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors

CAUTION: Never allow any water to enter the unit while cleaning.

9. Specifications

Rechargeable Battery Power:

3.7V / 600 mAh lithium ion rechargeable battery (replaceable)

Rechargeable battery shelf life: 3 years minimum

Rechargeable battery expected calendar life: approximately 3 years

Rechargeable battery cycle life: > 400 charging cycles

Rechargeable battery recommended storage requirements (temperature): less than 154 °F (68 °C)

Rechargeable battery recommended storage requirements (humidity): 45 to 75%

Dry Cell Battery Power:

3 x AAA (UM-4) batteries (optional, not included)

Radio Bands:

AM: 525 KHz to 1710 KHz

FM: 88 MHz to 108 MHz

WeatherBand: 162.400 to 162.550 MHz

Flashlight:

35 lumens Flashlight

Siren:

125 db

Size and Dimensions:

Dimensions: 7.75" x 3.75" x 2.0"

Weight: less than 0.5 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)

10. Troubleshooting Guide

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

1. Email Support: support@ambientweather.com
2. Live Chat Support: 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)

Problem	Solution
The unit will not power up.	Make sure the Lithium Ion battery is properly installed  and the switch is in the proper position . If the  switch is in the AAA position , make sure batteries are installed with the proper polarity. Replace the batteries if low battery voltage.
Phone generates an error message when plugged into the WR-334-U.	A lower voltage output may result in error messages on the phone but should still charge the phone.

Problem	Solution
My Ipod / iPhone does not display the charge signal.	The output voltage of the WR-334-U is lower than the operating voltage of the IPod / iPhone, and will not charge these devices until the battery is fully discharged. The device is only intended for emergency charges and not for topping off already charged devices.
The WR-334-U will no longer hold a charge.	Replace the 3V lithium ion rechargeable battery (CR123A). Typically, this battery will hold 2000 charge cycles. Important note: ALWAYS replace with rechargeable batteries, available from AmbientWeather.com.
The Weather Band reception is poor.	- Weather band reception can be poor inside a metal building, structure or where electronic noise is present. Try moving outside to improve reception - Check local reception by driving to a different location and testing the weather band reception. - Radio reception is dramatically reduced when charging from USB. Disconnect USB power when listening to the radio.
My cell phone connector is not supported. Where can I purchase the proper tip for my cell phone?	Contact Ambient Weather with your cell phone model and connector type. The connectors included cover about 95% of the cell phone market.
The WR-334-U will not fully charge my cell phone.	Charging a cell phone through the Phone Charger Jack is intended for emergency purpose only. It is not intended for recharging fully a discharged battery. Cell phone battery capacity significantly exceeds the battery capacity of the WR-334-U. Therefore, a fully charged WR-334-U will only partially charge a cell phone or mp3/mp4 device. After the battery stops charging the device, disconnect the device and begin cranking if a DC power source is not available.
I never receive weather alerts.	Verify you receive the test alert from the National Weather Service on Wednesday as described in the weather alert section of this manual. Verify you have tuned the weather band to your local area and you have reception before activating the Weather Alert feature. Make sure you have good weather radio reception. If your radio reception is poor, you will not receive any 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 WR-334-U is locked up and will not respond to commands. How do I reset it?	Remove the battery. Press the reset button with a paperclip.
The red charging light does not illuminate during solar charging.	There is not enough solar energy to drive the red charging light. For solar charging, you will see a faint green light. The brighter the sunlight, the brighter the green charging light.
The display fades when placed in direct	If the display heats up outside the operational range, the

Problem	Solution
sunlight.	display will fade. For solar charging, partial sunlight or shade is sufficient.
The WR-334-U exits the alert mode and displays time.	The weather alert mode consumes a significant amount of power because it is constantly scanning for the emergency 1050 Hz tone from the National Weather Service. We recommend connecting power input to a USB computer port or the included USB to AC converter for continuous alert operation (reference Section 11). Otherwise, you must rely on hand crank power in this mode.

11. Accessories

The following software and hardware accessories are available for the WR-334-U at www.AmbientWeather.com.

Accessory	Image	Description
Ambient Weather 3.7V Lithium Ion Rechargeable battery		Replaces rechargeable battery after end of life (CR123A rechargeable).

12. 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.

13. 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.

14. FCC Statement

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



15. Battery Recycle Statement



Recycle Rechargeable Batteries

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 www.call2recycle.org or call toll-free 1-877-2-RECYCLE.