

WS-8008U FAQs

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Batteries

Explanation: Many problems are resolved with fresh batteries of the appropriate voltage. Many items sent in under warranty work when tested with fresh batteries. Batteries manufactured this year will have an expiration date 10 years (or more) in the future. Battery technology has improved and batteries will maintain voltage longer in storage. However, the environment the batteries reside in for the 10 years can deplete the power.

- ✓ We suggest name brand Alkaline batteries for **indoor displays**.
- ✓ A minimum voltage of 1.48V for each battery is necessary for proper performance.

- ✓ Use batteries dated at least six years in advance of the current year. Batteries dated earlier than six years from now may still work, but may be unstable in performance.
- ✓ Good name brand batteries make less noise, which reduces the chance of RF (radio frequency) interference from the battery compartment.

Digital Clock Factory Restart

Explanation: The factory restart returns the digital clock to an "out-of-the-box" state and often resolves an issue.

Factory Restart:

1. Remove all batteries from the digital clock.
2. Press one of the buttons on the digital clock at least 20 times to clear all memory.
3. Verify that the digital clock is blank before proceeding (some lines are painted on and will not disappear).
4. **Leave without power for 15 minutes** (very important).
5. Insert fresh Alkaline batteries into the digital clock.
6. Do not press buttons for 15 minutes.

Fahrenheit/Celsius

- ✓ Press the **°F/°C** button to switch from Fahrenheit to Celsius.

12-Hour or 24-Hour Time Format

- ✓ Display the time in 12-hour or 24-hour format
- ✓ Default is 12-hour time
- ✓ Use the [Program Menu](#) to switch time formats

Supported Time Zones

- ✓ This clock has 4 Time Zones: **E**=Eastern, **C**=Central, **M**=Mountain & **P**= Pacific
- ✓ The digital clock works in North America.
- ✓ Outside of North America, the digital clock will not receive a WWVB signal, but will keep time like a quartz clock.

Dashes, OFL or Stuck Indoor Temperature

Explanation: These symbols are error messages indication the indoor sensor is outside of its readable range. For indoor readings, this is generally a power related issue.

- ✓ This is generally a power related issue.
- ✓ [Batteries](#) may be overpowered or underpowered. Remove batteries from atomic digital clock.
- ✓ Press any button 20 times. Leave the digital clock unpowered for 1-2 hours.
- ✓ Insert fresh alkaline batteries with correct polarity.
- ✓ If the indoor temperature is still dashes or OFL, the digital clock may need replacement.

Does the clock have a backlight?

- ✓ No, as this clock is battery operated there is no backlight.

Time is off by hours

- ✓ Check to see if the WWVB Tower icon appears on the atomic digital clock. If not, the digital clock has not received a WWVB time signal in the past 24 hours.
- ✓ Reposition the digital clock with the front or back facing Colorado.
- ✓ Check that the Time Zone selected correctly reflects your location. Adjust the time zone in the Program Menu.
- ✓ Check that the DST indicator is correct for your location (most areas observe DST so this should be ON). Adjust the DST indicator in the Program Menu.
- ✓ Large buildings, metal roofed buildings and buildings or rooms full of electrical and/or radio equipment make it difficult to receive the WWVB time signal.

Daylight Saving Time

- ✓ Dependent on your location, position of the clock in your home, and atmospheric interference, it may take up to 5 nights for the change from Daylight Savings Time to Standard Time and vice-versa to occur.
- ✓ Check for a WWVB Tower Icon showing on the atomic digital clock. The tower icon indicates you have received the WWVB signal from Ft Collins CO in the past 24 hours.
- ✓ Check that the clock is in the correct Time Zone.
- ✓ Check whether the DST indicator is ON or OFF. If the indicator is OFF the clock will not change.
- ✓ Check for fresh batteries. Without proper batteries, the antenna will have a harder time picking up the signal.
- ✓ Position the digital clock in a window (*with the front or back*) facing Ft. Collins, Colorado and leave for up to five nights. If you do not have a window facing this direction, position the clock near an outside wall and point the unit in this general direction.

Manually Set Time/Date: Program Menu

1. Press the **SET** button to enter time set mode, confirm adjustments and move to next item.
2. Press the **▲** or **▼** buttons to adjust values.
3. Exit the programming mode at any time by pressing the SNZ button.
 - 12/24-HOUR TIME MODE: Either 12 or 24 will flash on the display. Use up or down arrow to change from 12 to 24 hour format time (12 for AM/PM, 24 for military time). Press and release the SET button once.
 - HOUR: The Hour will be flashing. Use the up or down arrow to set the hour. If using 12-hour Time Mode, be sure to set the hour for am or pm. Press and release the SET button once.
 - MINUTES: The Minutes will be flashing. Use the up or down arrow to set the minutes. Press and release the SET Button once.
 - YEAR: The Year will flash (09). Use the up or down arrow to set the year. Press and release the SET button once.
 - MONTH: The Month will be flashing. Use the up or down arrow to set the month. Press and release the SET button once.
 - DATE: The numeric day will be flashing. Use the up or down arrow to set the date correctly.

Note: Day of week will automatically set. Press and release the SET Button once.

- DAYLIGHT SAVING TIME: DST will show with either ON or OF flashing. Most states use DST, so this should be set to ON. However if the location does not use DST, use the up or down arrow to turn it OF. Press and release the SET button once

OTHER SETTINGS:

- TIME ZONE SETTING: From normal display mode, simply press and release the ZONE/up arrow button to change the Time Zone from Pacific, Mountain, Central and Eastern. The unit will see the letter P, M, C or E showing above the seconds.

Note: This clock only has four time zones. Default is Pacific Time Zone.

- FAHRENHEIT OR CELSIUS: From normal display mode, simply press and release the F/C/down arrow button to change from Fahrenheit to Celsius.
- WWVB SEARCH: When the batteries are inserted or the WWVB Search button Is pressed, the clock will search for the WWVB signal for 7 minutes. If it does not find a signal, the tower icon will stop flashing and search again on the hour.

Note: When the clock is searching for WWVB, signal the unit will not be able to use the other program buttons. The unit can turn off the search by pressing the WWVB search button one time.

No WWVB Tower Icon

- ✓ The digital clock has not received a WWVB time signal in the past 24 hours.
- ✓ Position the digital clock for better reception.
- ✓ Hold the - button to send the Digital clock on a WWVB signal search at night.
- ✓ Allow up to 5 nights to receive the time signal.

Set Time Alarm

- ✓ HOUR: Press and hold down the ALARM button for 2 seconds until the Hours flash. Use the up or down arrow buttons to set the Hour. Press ALARM button to confirm the setting
- ✓ MINUTES: The Minute display of the Alarm time starts to flash. Use the up or down arrow to set the required minute. Press ALARM button to confirm the setting and to end the setting procedure.

Activate/Deactivate Time Alarm

Press and release the ALARM button to activate or deactivate the alarm.

- ✓ With the Alarm time showing, press and release the ALARM button to activate the alarm.
- ✓ The alarm icon (bell) appears when alarm is active.
- ✓ The alarm icon will disappear when alarm is inactive.

Note: When the alarm sounds, it will continue for two minutes then shut off.

Snooze Alarm

- ✓ When the alarm sounds, press the SNOOZE button to trigger snooze alarm for 5 minutes.

- ✓ This crescendo alarm will sound for 120 seconds if not deactivated. Press any button to stop the alarm for 24 hours.

Digital clock has distorted or frozen display

Explanation: On a brand new digital clock, check for thin plastic film of **printed scratch guard** that may be on the screen of the digital clock. This thin piece of plastic has printed numbers for store displays. When the batteries are installed, the “real” numbers show behind the printed scratch guard and create distortion.

- ✓ With all power removed, the digital clock should be blank.
- ✓ If numbers still appear, please check for scratch guard.

Power:

- ✓ Check that the batteries are installed correctly.
- ✓ This is generally a power related issue.
- ✓ [Batteries](#) may be overpowered or underpowered.
- ✓ Remove batteries from digital clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert batteries into the digital clock.

Digital clock is blank: No letters, numbers or dashed lines

- ✓ Check that the batteries are installed correctly.
- ✓ [Batteries](#) may be overpowered or underpowered.
- ✓ Remove batteries from digital clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert batteries into the digital clock.

Day of the week is incorrect.

- ✓ Check the year setting in the [program menu](#). The day of the week sets automatically based on the setting of the year, month and date.

Digital clock drains batteries quickly

- ✓ Test a new set of alkaline batteries. Write down the date of installation and the voltage of the batteries.
- ✓ When the batteries fail, please note the date and voltage again. This is helpful in determining the problem.
- ✓ Check for leaking batteries, which may damage the digital clock.

Digital clock has missing segments

Explanation: When parts of numbers, letters, or pictures are missing on the display, it is often power related.

- ✓ With all power removed, the digital clock should be blank.
- ✓ If numbers still appear, please check for scratch guard.

Power:

- ✓ Check that the batteries are installed correctly.
- ✓ This is generally a power related issue.
- ✓ [Batteries](#) may be overpowered or underpowered.
- ✓ Remove batteries from digital clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert batteries into the digital clock.