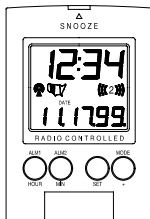


# Model: WT-2191 Radio-controlled Travel Alarm Clock

## Instruction Manual



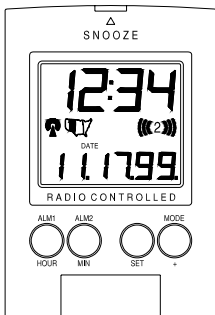
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## INVENTORY OF CONTENTS

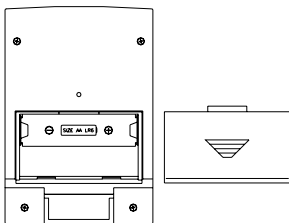
1. Radio controlled clock (figure 1)
2. Instruction Manual and Warranty Card.

Figure 1: Open



## QUICK SETUP

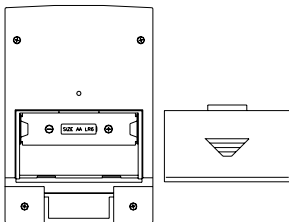
1. The alarm clock is packed in the closed position. To open, flip open the cover.
2. The alarm clock requires one AA Alkaline battery. Open up the compartment insert the battery to activate. It will start searching for a signal and set to the correct time and date, usually not until overnight. After the time and date are set, set to the correct time zone.



# DETAILED SETUP GUIDE

## I. BATTERY INSTALLATION

**A.** The alarm clock requires one AA Alkaline battery. Open up the compartment insert the battery to activate. It will start searching for a signal and set to the correct time and date, usually not until overnight.



## **II. PROGRAMMING**

### **A. SETTING THE TIME**

There are two methods by which the time and date can be set: 1) Automatically via WWVB reception, or 2) Manually.

### **B. WWVB (Radio-Controlled Time)**

This method requires you to do nothing, except wait for the signal to be received, and to select a time zone. Reception usually takes approximately 6-10 minutes during optimal conditions. The best conditions for reception is at night, between midnight and 6:00 am—when there is less atmospheric interference. To keep your time as accurate as possible, the alarm clock conducts a WWVB search every night between these hours, and overrides any manually set time. The WWVB tower icon (appearing in the TIME LCD) will flash when a signal-search is in progress and a signal is being received, and will remain steady when the signal has been received. If the WWVB time has not been received after 10

minutes of battery installation, you may manually set the time or leave the time function alone (reception will occur regardless).

***About Radio Controlled Time signal, WWVB:***

*The NIST (National Institute of Standards and Technology—Time and Frequency Division) WWVB radio station is located in Ft. Collins, Colorado, and transmits the exact time and date signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the alarm clock. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The alarm clock will search for a signal every night when reception is best. The WWVB radio station derives its signal from the NIST Atomic clock in Boulder, Colorado. A team of atomic physicists is continually measuring every second, of every day, to an accuracy of ten billionths of a second per day. These physicists*

*have created an international standard, measuring a second as 9,192,631,770 vibrations of a Cesium-133 atom in a vacuum.*

## **C. PROGRAMMING**

**(includes manual time setting)**

*\*\*To end the programming mode at any time, simply press the SNOOZE button*

- a) Press the *SET* button. The US map and time zone will flash (“-5” is the default). The time zone is displayed according to “GMT”; please see below table for explanation. Press the “+” key to move the time zone West one hour until it reaches the your time zone, then press

-4: Atlantic, =-5: Eastern -6: Central, -7: Mountain -8: Pacific, -9: Alaska -10: Hawaii GMT: Greenwich Mean Time
--

Eastern time zone shown
----------------------------

12:34 ● ○ ○ ● ● -5h
---------------------------

the SET key to set 1 and move to the next programming step.



- b) “DST On” will flash. Press the “+” key to toggle between the Daylight Saving Time ON or OFF (for places that do not follow Daylight Saving Time changes). Press the SET key.
- c) “Sno” will show at the bottom of the screen, and a number will flash at the top. This is the setting for the length of the alarm snooze. Press the “+” key to advance the length from 0 (no snooze) to 59 minutes. This sets the time the alarm is silenced after pressing the SNOOZE key while the alarm is sounding. Press the SET key.
- d) The hour will now flash. Press the “+” key to advance to the correct hour; be sure to note the correct am/pm setting (“PM” will show for pm setting, nothing for the am setting). Press the SET key.
- e) The minutes will now flash. Press the “+” key to advance the minutes. By holding the “+” key, the minutes will advance in five minute increments. Press the SET key.

- f) The year will now flash. Press the “+” key to advance to the correct year. Press the SET key.
- g) The month will now flash. Press the “+” key to advance to the correct month. Press the SET key.
- h) The date will now flash. Press the “+” key to advance to the correct day. Press the SET key.
- i) The day of the week will now flash (Sun, Mon, etc.). Press the “+” key to advance to the correct day of the week. Press the SET key.
- j) “12” or “24” will now flash. Press the “+” key to select either 12 –hour or 24-hour (military time). The programming is now complete.

## **2. PROGRAMMING SEQUENCE**

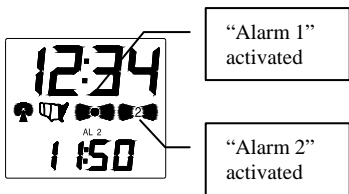
→Time Zone→DST On/OFF→Snooze Setting→Hour→Minute→Year→Month  
→Date→Day→12/24 hour format

### III. SETTING THE ALARMS

*La Crosse Technology's travel alarm clock has two separate alarms that can be set. Each alarm has a distinctive sound and operate independently.*

**A.** Press and hold the “ALM1” (or “ALM2” key) key for two seconds to enter the setting mode. The alarm time will flash. Press the “HOUR” key to advance the hour of the alarm, and press the “MIN” key to advance the minutes of the alarm. If no button is pressed within fifteen seconds, the alarm will set and will activate, and the clock will revert to the normal operating screen. The picture below shows both alarms activated.

**B.** To activate/deactivate the alarm, press

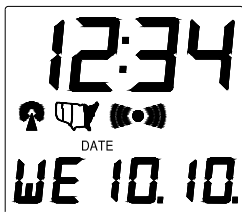


the “ALM1” or “ALM2” key once, depending on which alarm needs to be activated.

**C.** When the alarm is sounding, pressing the “SNOOZE” will turn it off for the time that was selected in the programming mode (section II.A.2.c.). *The snooze is activated by pressing back on the entire unit while the cover is open. The actual button is on the bottom of the unit and is pressed by the cover when pushed back.* If the setting is “0”, the alarm will turn off for 24 hours. During the snooze period, the lower screen will show a countdown until the alarm will sound again. If the snooze bar is pressed again during the original snooze period, the period will be reset. Once the period is finished, the alarm will sound again. Pressing any key other than the snooze key will turn off the alarm for 24 hours.

## IV. OPERATING SCREENS

**A.** The exact time will always be displayed in the upper portion of the screen, and the US map will show when the time zone is set to the continental US (with the time zone selected showing in black). The lower portion of the screen has five different screens that can be selected. The default is “DAY, MONTH, DATE” as shown below.



**B.** Press the “MODE” key to select which screen to show. It will change in order as follows:

1. DAY MONTH DATE
2. MONTH DATE YEAR
3. SECONDS

4. ALARM 1 TIME

5. ALARM 2 TIME

**C.** While in non-alarm mode, pressing the “SNOOZE” bar will show the “ALARM1” and “ALARM2” briefly in the lower section.

## **V. TRAVELING**

**A.** When traveling, it will only be necessary to change to the appropriate time zone. Please note that the clock will only search for a signal when it is set between “GMT-4 and GMT-10. The alarm clock will set to any time zone from “GMT” to “GMT-12”. Outside this range, it will only be necessary to set the hour to the correct hour, leaving the time zone set to your local time zone. For example, if you are traveling to Hong Kong, you will need to manually set the hour to the local time. When the clock is back in the US, it will search for a signal and set to the proper time according to the time zone selected.

## TROUBLESHOOTING

**NOTE:** For problems not solved, please contact La Crosse Technology via e-mail or phone, or visit our website, [www.lacrossetechnology.com](http://www.lacrossetechnology.com)

**Problem:** The time and date will not set initially.

**Solution:** It usually takes overnight before the clock can receive the signal due to the interference the sun has on the WWVB signal. Wait overnight for the signal.

**Solution:** Computer monitors and televisions can cause interference with the signal reception. Please keep the clock at least six feet from electrical sources.

**Solution:** In some areas of the US, in particular on the East and West coasts, the signal is very weak. It may take up to 72 hours before a good signal is received. The reception can be helped by placing the clock in a window facing Colorado, with the back towards Colorado.

**Solution:** Be sure the time zone is set to a US time zone.

## **MAINTENANCE AND CARE INSTRUCTIONS**

- Extreme temperatures, vibration, and shock should be avoided to prevent damage to the unit.
- Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.
- Do not submerge in water.
- Do not subject the units to unnecessary heat or cold by placing them in the oven or freezer.
- Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology repairs.



## SPECIFICATIONS

Dimensions: (L x W x H)	2-1/2" x 5/8" x 3-5/8" (62 x 15 x 93 mm).
Battery	1 AA Alkaline Battery
Battery life	Approximately 1 year

## WARRANTY INFORMATION

La Crosse Technology provides a 1-year warranty on this alarm clock. Contact La Crosse Technology immediately upon discovery of any defects covered by this warranty.

Before sending the clock in for repairs, contact La Crosse Technology. The clock will be repaired or replaced with the same or similar model.

This warranty does not cover any defects resulting from improper use, unauthorized repairs, faulty batteries, or the alarm clock inability to receive a signal due to any source of interference.

LA CROSSE TECHNOLOGY WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF

THIS ALARM CLOCK. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact

La Crosse Technology, Ltd

2809 Losey Blvd. S.

La Crosse, WI 54601

Phone: 608.782.1610

Fax: 608.796.1020

e-mail:

[support@lacrossetechnology.com](mailto:support@lacrossetechnology.com)

(warranty work)

web: [www.lacrossetechnology.com](http://www.lacrossetechnology.com)

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