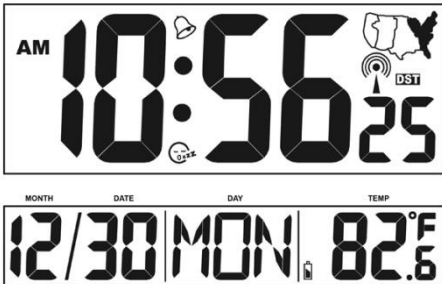




Tomorrow's Weather Today™

Atomic Digital Clock 513-1211



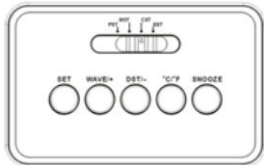
Features:





- Large 4 inch time display.
- 12/24-hour time selectable.
- Atomic Time and Date with manual set option
- Four Time Zones: Eastern, Central, Mountain, & Pacific.
- Daylight Saving automatically updates (On/Off option).
- Calendar: Month, Date, Day.
- Time alarm with snooze.
- Monitors Indoor temperature (°F or °C)
- Low battery indicator.

Selector bar

Setup:

- Select the time zone with the SELECTOR BAR on the back of the clock.
- Slide battery cover up to open.
- Insert three AA alkaline batteries according to polarity markings.



- Do not press buttons for four minutes to allow the clock to search for a WWVB signal. The tower icon  will flash.
- **Note:** If only the bottom of the tower icon  is showing and the top of the icon  is not flashing, reposition the clock for better signal reception.
- When WWVB signal reception occurs, the time and date will set and the tower icon  will show solid above the seconds.
- **Note:** During the search for the time signal the other set functions will not work. This is normal and not a defect in the clock. Press the WAVE/+ button at any time to stop the signal search. Hold the WAVE/+ button for 3 seconds to initiate a signal search.

WWVB Radio controlled time

The NIST radio station, WWVB, is located in Ft. Collins, Colorado and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal has a range of up to 2,000 miles. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The atomic 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 continually measures every second of every day to an accuracy of ten billionths of a second a 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. This atomic clock regulates the WWVB transmitter.

- The clock receives the time signal via its built-in antenna and adjusts automatically to the selected time zone. Once the correct time is set, the clock continues running with an internal quartz-controlled mechanism.
- The reception system of the clock daily compares its data at 2:00am, to the signal from the WWVB transmitter. If no signal is received for four minutes, the system will automatically try to compare the time at 3:00am, 4:00am and 4:00pm.
- The internal quartz-mechanism is very accurate; therefore, it does not matter if the clock is occasionally unable to receive the time signals.

When the tower icon flashes, but does not set the time or the WWVB tower does not appear at all, take note of the following:

- Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 6 feet (2 meters).
- Within ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened. In extreme cases, please place the unit close to a window and/ or point its front or back towards the Fort Collins, Colorado, transmitter.
- During nighttime, the atmospheric disturbances are usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy deviation below 1 second.

Note: On rare occasions, the atomic clock is not able to detect the WWVB-signal (disturbances, transmitting distance, etc.); the time can be manually set.

Set Time:

The SET button will move through the program menu. The WAVE/+ or DST/- buttons will change a value.

Hold the SET button for 3 seconds and the LCD will flash.

- **12/24-HOUR TIME:** 12h or 24h will flash. Press and release the WAVE/+ button to select 12-hour or 24-hour time format. Press and release the SET button to confirm and continue.
- **HOUR:** The hour will flash. Press and release the WAVE/+ button to select the hour. Press and release the SET button to confirm and continue.
- **MINUTES:** The minutes will flash. Press and release the WAVE/+ button to select the minutes. Press and release the SET button to confirm and continue.
- **YEAR:** The year will flash. Press and release the WAVE/+ button to select the year. Press and release the SET button to confirm and continue. (The year will only show in the program menu).
- **MONTH:** The month will flash. Press and release the WAVE/+ button to select the month. Press and release the SET button to confirm and continue.
- **DATE:** The date will flash. Press and release the WAVE/+ button to select the date. (The weekday will set automatically). Press and release the SET button to confirm and exit.

Other Settings: begin from normal time display.

- **DST:** Hold the DST/- button for 3 seconds to turn DST on or off. When it is on you will see the DST icon appear in above the seconds.
- **FAHRENHEIT/CELSIUS:** Hold the °C /°F button for 3 seconds to display the indoor temperature in Fahrenheit or Celsius.
- **TIME MODE/ALARM MODE:** Press and release the SET button one time to switch from Time Mode to Alarm Mode. In Alarm Mode, the letters AL will show in the seconds display.

Set Alarm Time: Press and release the SET button once to enter Alarm Mode. The letters AL will show in the seconds display.

- **HOUR:** Hold the SET button for 3 seconds. The hour will flash. Press and release the WAVE/+ button to select the hour. Press and release the SET button to confirm and continue.


- **MINUTES:** The minutes will flash. Press and release the WAVE/+ button to select the minutes. Press and release the SET button to confirm and exit.

Activate/Deactivate Alarm:


In Alarm Mode press and release the WAVE/+ or DST/- button to switch the alarm on or off.

When the alarm is ON the alarm icon  will appear between the hours and the minutes. When the alarm is OFF the icon will disappear.

Snooze function:

Press the SNOOZE button when the alarm beeps and the alarm will become silent and sound again in 5 minutes. The snooze icon  will flash when the snooze function is active.

While the snooze feature is active, press any button other than SNOOZE to deactivate the snooze function. The snooze icon will disappear.

 **Low Battery Indicator:** When the low battery indicator appears in front of the indoor temperature, install a fresh alkaline battery.

Position the clock: When positioning the clock it is always best to have the front or the back facing Ft. Collins, Colorado for best WWVB signal reception.

Wall mount: Insert a screw into the desired wall, leaving the head extended out by about 0.2" (5mm). Carefully hang the clock on the screw, using the hanging hole on the back of the clock.

Note: Always ensures that the unit locks onto the screw head before releasing.

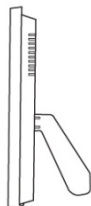
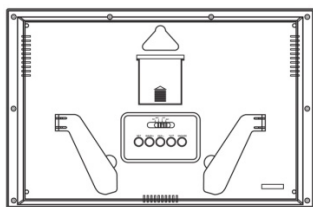


Table stand: Pull out the two table-stand brackets from the rear of the clock. Place on table or desk as desired.

Specifications:

Indoor temperature: +14 to +122 °F (-10 to +50 °C)
(Above this range will show **Hi**, below this range will show **Lo**).

Dimensions: 10 3/4 inches H x 16 3/4 inches W x 1 3/8 inches D
(273.05 mm H x 425.45 mm W x 36 mm D)

Care and Maintenance:

- Replace batteries promptly when needed.
- Remove batteries when clock is not in use or when in storage.
- Clean only with a soft cloth or paper towel. Do not use corrosive cleanser or chemical solutions on the clock.
- Avoid placing clock in high humidity environments such as poolside or in a bathroom.
- Keep clock clean and dry to avoid problems.
- Do not expose clock to direct sunlight or extremely hot or cold temperatures.

Warranty Information:

La Crosse Technology, Ltd 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 used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem

determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd.

Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination.

The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.

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.

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

2817 Losey Blvd. S.
La Crosse, WI 54601

www.lacrossetechnology.com/513-1211

Contact Support: 1-608-782-1610

Product Registration:

www.lacrossetechnology.com/support/register.php

All rights reserved. This handbook must not be reproduced in any form, even in excerpts, or duplicated or processed using electronic, mechanical or chemical procedures without written permission of the publisher.

This handbook may contain mistakes and printing errors. The information in this handbook is regularly checked and corrections made in the next issue. We accept no liability for technical mistakes or printing errors, or their consequences.

All trademarks and patents are acknowledged.