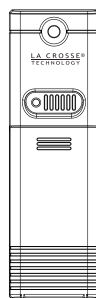
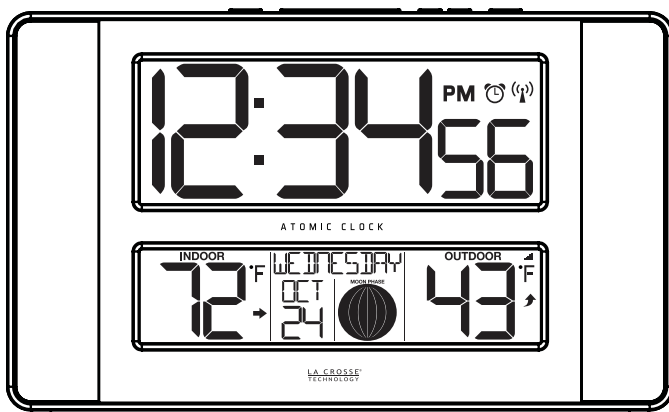


LA CROSSE®
TECHNOLOGY

Atomic Digital Clock

with Temperature and Moon Phase



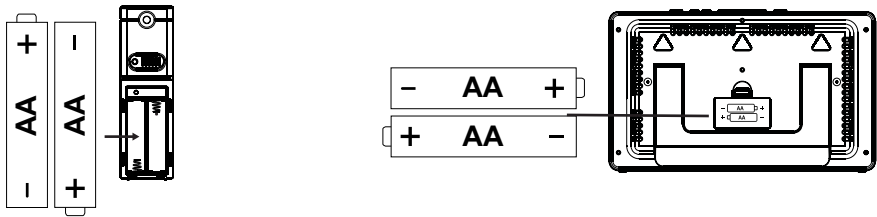
For online video support:
<http://bit.ly/LaxTechTalk>

Model: 513-1417AL D.C. 122016

Protected under U.S. Patents:
5,978,738 | 6,076,044 | RE43903

Setup

- ① **Power up.** Insert 2-AA batteries into the sensor, then into the clock. Observe the correct polarity.



- ② **Configure basic settings.** Hold the SET button for 3 seconds to enter settings menu. Use the +/- buttons to adjust and SET to confirm.

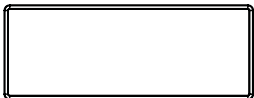
Setting order:

1. Language: English | Español
2. Beep ON | OFF
3. Atomic ON | OFF
4. DST ON | OFF (Daylight Saving Time)
5. Time Zone
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit | Celsius

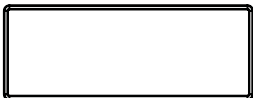
Note: When the Atomic setting is set to OFF, the menu will skip to item 6, your Hour setting

Note: When Español is selected, weekday and sub menu instructions will be in Spanish. Calendar order: Day, Month, Year.

English | Español



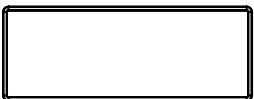
Beep ON | OFF



Atomic ON | OFF



DST ON | OFF

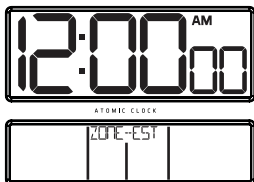


All States except Arizona must set the DST mode to OFF.

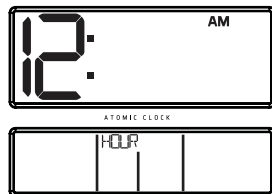
Time Zone

Time Zone

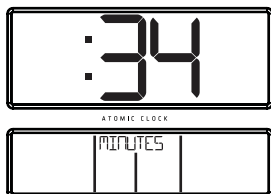
AST Atlantic
EST Eastern
CST Central
MST Mountain
PST Pacific
AKT Alaskan
HAT Hawaiian



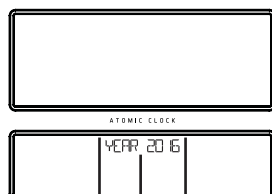
Hour



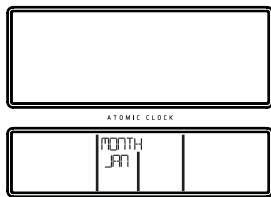
Minutes



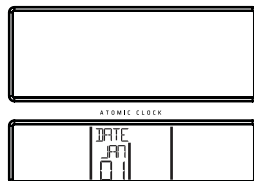
Year



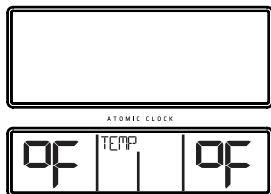
Month



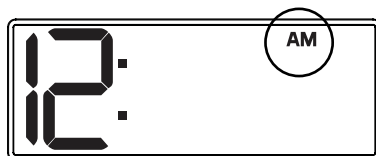
Date



Fahrenheit | Celsius



Note: When setting the hour, AM indicates times before 12:00 (noon) and PM indicates time after 12:00 (noon).



- ③ **Place outdoor sensor** outside in the shaded location and enjoy your weather information.

Atomic Time

- The station will automatically search for the atomic time signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- Press and release the SET button to search manually for atomic time signal.
- Press the SET button to select daylight saving time ON/OFF. If you do not observe DST, use the +/- button to turn on the Daylight Saving Time Indicator.
- For information about WWVB visit: <http://bit.ly/AtomicTime>

Note: If your clock advances one hour in December it is due to a leap second adjustment that was programmed incorrectly. If this happens your clock will automatically correct itself Jan 1st.

There are two easy ways to immediately correct the hour.

- 1. Use the setting menu to select DST OFF then set the hour back one hour – or the clock will correct the hour overnight with the next WWVB reception. Then in January use the setting menu to turn DST ON and resume normal use.
- 2. Use the setting menu to turn WWVB OFF and set the correct hour

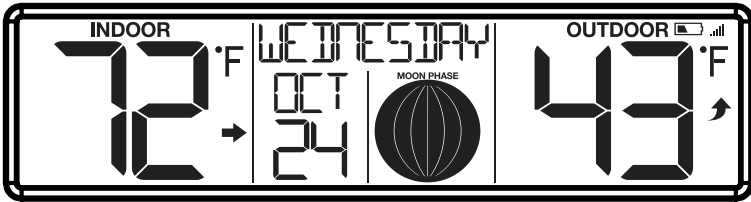
Either way your clock will resume normal WWVB functions Jan 1st with the DST ON setting.

We apologize for the inconvenience caused by our programing error.

Display icons



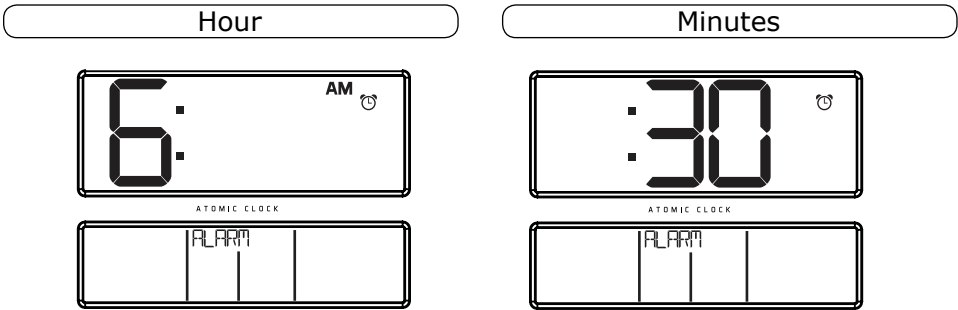
ATOMIC CLOCK



- Low Battery
- Alarm | Snooze
- Atomic Time
- Fahrenheit | Celsius
- Trend Arrow
- Sensor Signal Strength
- PM AM | PM

Time Alarm

Set: Hold the ALARM button for 3 seconds to enter alarm settings. Use the +/- buttons to adjust and ALARM to confirm.



Deactivate | Activate: The alarm is active when set. Press and release the ALARM button to deactivate or activate the alarm. The clock icon will show when alarm is active.

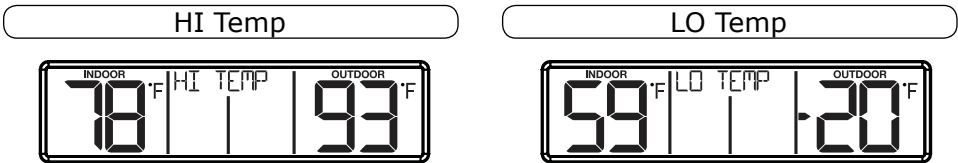


Snooze: Press and release the SNOOZE button to silence the alarm for 10 minutes. Snooze can be repeated.

HI | LO Temperature




- Press the PLUS button to view HI Temperature.
- Press again to view LO Temperature.
- Hold the PLUS button for 5 seconds to reset HI and LO temperature.

Note: All records reset at midnight.



Temperature Trend Arrows

The outdoor temperature trend indicators update every 15 minutes and provide a 1 hour comparison of readings that took place every 15 minutes within that hour. The temperature will have to rise or fall by 2°F (1°C) or more within the hour for the arrows to change."

 Temperature rose	 Temperature is unchanged	 Temperature fell
---	---	---

Follow Us on Social Media



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For personalized interaction
http://bit.ly/LaxTech_Facebook



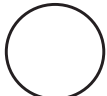
Join the conversation
http://bit.ly/LaxTech__Twitter



Pin and share
http://bit.ly/LaxTech_Pinterest

Moon Phase

The moon phase is based on the lunar calendar and the Year, Month, and Date settings set within this clock. Most Internet moon phase calculations are based on the lunar calendar and can be categorized into one of the following



New Moon



Small Waxing Crescent



Large Waxing Crescent



First Quarter



Small Waxing Gibbous



Large Waxing Gibbous



Full Moon



Large Waning Gibbous



Small Waning Gibbous



Last Quarter



Large Waning Crescent



Small Waning Crescent

Sensor Reception

- Hold the - button 3 seconds to search for the sensor.
- The strength signal icon will flash until the sensor signal is received or for 3 minutes if no signal available.
- The signal will show solid when connected to the sensor.

Low Battery Icon

- Battery icon by time-Change batteries in the clock.
- Battery icon by outdoor temperature-Change batteries in the sensor.

Mount Temperature Sensor

- Mount the outdoor sensor on a north-facing wall or in any well-shaded area. Under an eave or deck rail is preferred.
- The maximum wireless transmission range to the forecast station is over 300 feet (91 meters) in open air; this does not include barriers such as walls or floors.
- Be sure the outdoor sensor is mounted vertically.

Position Clock

The clock has a pullout stand to sit on a desk or table, or openings on the back to mount on a wall.

- For best Atomic time reception orientate the clock with the front or the back facing Ft. Collins, Colorado.
- Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc.
- Place within range of the outdoor sensor (300 feet open air).

Restart

When the outdoor readings show dashes:

- Bring the sensor in the house five feet from the station.
- Remove batteries from the sensor, and the batteries from the clock.
- Press any button 20 times.
- After 15 minutes insert batteries into the sensor, and into the clock.
- Wait 15 minutes to establish a strong connection.
- Place sensor outside

Specifications

Indoor	32 °F to 122 °F 0 °C to 50 °C
Outdoor Range Update	-40 °F to 140 °F -40 °C to 60 °C Over 300 ft. (91 meters) RF 433MHz (open air) Every 58 seconds
Power	Clock: 2 AA (LR6, IEC) batteries not included Sensor: 2 AA (LR6, IEC) batteries not included
Battery Life	12 months with reputable batteries
Dimensions	Clock: 11.10" W x 1.14" D x 6.75" H (28.19 W x 2.89 D x 17.15 H cm) Sensor: 1.57" L x 0.79" W x 5.12" H (13.0 X 3.98 X 2.0 cm)

Warranty and Support

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

Before returning a product, please contact our friendly customer support or visit our online help:

Phone: 1-608-782-1610

Online: www.lacrossetechnology.com/support

View full warranty details online at:

www.lacrossetechnology.com/warranty_info.pdf

Care and Maintenance

- Do not mix old and new batteries
- Do not mix Alkaline, Standard, Lithium or Rechargeable Batteries
- Always purchase the correct size and grade of battery most suitable for intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed with correct polarity (+ and -).
- Remove batteries from equipment which is not to be used for an extended period.
- Promptly remove expired batteries.

FCC Statement

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.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized changes or modifications to this equipment. Such changes or modifications could void the user authority to operate the equipment.

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All trademarks and patents are recognized.

Canada Statement

This device complies with CNR Industry Canada license -exempt devices.

Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.