513-1429THV2 FAQS

We are weather enthusiasts like you and know proper running equipment is important. These FAQS provide valuable information on setup, positioning, and troubleshooting your clock. We recommend Adobe Reader version 10 or greater available at:
http://get.adobe.com/reader

CONTENTS

BATTERIES: WHAT DO I NEED TO KNOW ABOUT BATTERIES?

- Good fresh batteries are important for best performance in your clock.
- Batteries with an expiration date of 2028, were manufactured in 2018.
- We recommend batteries with an expiration date 6 years in advance of the current year for best performance.
- A minimum voltage of 1.48 v per battery is required for best performance.

WHAT ARE THE POWER REQUIREMENTS FOR THIS CLOCK?

513-1429THv2 : 6 "AA" batteries.

SETUP: HOW DO I SETUP MY CLOCK?

1. Insert 6 "AA" batteries into your clock.
2. Enter Basic Settings.

HOW DO I MANUALLY SET THE TIME?

IMPORTANT: Only press or hold one button at a time.

1. Hold the ✿ button 2 seconds to enter settings mode.
2. Press the **+** or **-** button to adjust the flashing values.
3. Hold the **+** or **-** buttons to adjust quickly.
4. Press the ✿ button to confirm adjustments and move to the next item.
5. Press the ☼ button at any time to exit.

Settings order:
- Language (English, Spanish, French, German)
- Beep ON/OFF
- Atomic ON/OFF
- DST AUTOMATIC/ DST OFF / DST ON
- Time Zone
- 12/24 Format
- Hour
- Minutes
- Year
- Month
- Date
- Month/Date or Date/Month
- Fahrenheit/Celsius

Notes:
- The language selected in this menu will adjust the Weekday readout and menu items.
- If "Atomic OFF: is selected, menu will skip DST and Time Zone settings and move straight to the 12/24 Hour Format setting.
- Weekday sets automatically when Year, Month and Date are set..

Settings Menu

1. Hold the ✿ button for 2 seconds to enter setting mode. **ENGLISH** will show. Press the + or - button to change to another language (Español, or Français or Deutsch). Press the ✿ button to select Beep ON/OFF.
2. BEEP ON will show. Press the + or – button to turn beep sound OFF. Press the ✿ button to move to Atomic Time ON/OFF.
3. Press ✿ to confirm and move to the atomic time ON/OFF. **ATOMIC ON** will show. ON flashes. Use the + or - button if you do not want Atomic Time signal (OFF).
4. Press ✿ to confirm and move to the Daylight Saving Indicator. **DST AUTO ON** will show. USE the + or - button to Select DST ALWAYS ON (DST all year) or DST ALWAYS OFF (Standard Time all year).
5. Press ✿ to confirm and move to the Time Zone. **EASTERN** will flash. Use the + or - button to select your time zone.
6. Press ✿ to confirm and move to 12/24 hour time. **12/24 FORMAT** will show. 12HR flashes. Press the + or - button to turn select 24 hour time format.
7. Press ✿ to confirm and move to the hour. **HOUR** will show. The hour flashes. Press the + or - button to choose the hour.
8. Press ✿ to confirm and move to the minutes. **MINUTES** will show. Minutes flash. Press the + or - button to choose the minutes.
9. Press ✿ to confirm and move to the year. The **YEAR 2020** will show. Year will flash. Press the + or - button to change the year.
10. Press ✿ to confirm and move to the month. The **MONTH** will show. The Month will flash. Press the + or - button to change the month.
11. Press ✿ to confirm and move to the date. **DATE** will show. Date will flash. Press the + or - button to change the date.
12. Press ✿ to confirm and select MONTH/DATE or DATE/MONTH. MONTH/**DATE** will show. Press the + or - button to select DATE/MONTH.
13. Press ✿ to confirm and select FAHRENHEIT or CELSIUS. FAHRENHEIT will show. Press the + or - button to select CELSIUS.
14. Press ✿ to confirm and exit.

Note: After 10 seconds with no button press, clock returns to normal time display.

DOES THIS CLOCK HAVE 12 HOUR AND 24 HOUR TIME OPTIONS?

• Yes. You can select 12-hour or 24-hour time in the Settings Menu.

WHAT DO THE DAYLIGHT SAVING TIME (DST) SETTINGS MEAN?

DST AUTOMATIC: Clock gains 1 hour in spring and loses 1 hour in the fall (default).
DST ALWAYS OFF: Clock remains in Standard Time all year long.
DST ALWAYS ON: Clock remains in Daylight Saving Time all year long.

TIME: DOES THIS CLOCK HAVE ATOMIC TIME?

Yes:
- The clock will search for the WWVB Atomic Time Signal when powered on. If no reception is made, it will search or automatically at UTC: 7:00, 8:00, 9:00, 10:00, and 11:00.
- If there is no WWVB reception, the clock will search for the atomic time signal every 2 hours until the WWVB time is received.
- The atomic time signal icon will flash while searching. The tower icon will be solid when it has connected.
- From normal time display, press the ✿ button to search for the WWVB time signal.
- Please be sure you have selected your time zone from the list in the Settings menu.
- When the Atomic time signal is received, the clock will set to the time zone selected. Default is Eastern Time.

Reception:
- The WWVB time signal can be received up to 2,000 miles away from Boulder Colorado. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The Radio-controlled display will search for a signal every night when reception is best.
- Allow up to 5 nights for the change from Daylight Savings Time to Standard Time and vice-versa to occur, depending on your location and atmospheric conditions.

Loss of WWVB signal, follow these steps:
1. Check for a **Tower Icon** showing on the display near the time. The tower icon indicates successful reception of the WWVB signal in the past 24-hours.
2. Check that the Clock is in the correct **Time Zone**.
3. Check that **ATOMIC** is **ON**. This must be ON to receive a WWVB atomic time signal.
4. Check that the **DST** indicator is **ON**. If the indicator is OFF the clock will not change into or out of Daylight Saving Time.
5. Position clock with front or back facing Fort Collins, Colorado so the widest part of the antenna is positioned to receive.

For information about WWVB visit: http://bit.ly/AtomicTime

WHAT IS DESIRED HOUR (TIME ADJUST) AND HOW DO I SET IT?

Have your clock match other times around the world by setting a Desired Hour, kept accurate by the Atomic Time Signal. **Note:** Only the hour can be changed.

Set Desired Hour:
1. Hold the ⏱ button until the Hour flashes, "Desired Hour" will show.
2. Press the + (PLUS) button to adjust the hour. Press the - (MINUS) button to reset hour to "current hour".
3. Press the ⏱ button to confirm and exit.

Switch between Desired Time and Local time:
• Press the ⊕ button to switch between Desired Time and Local Time.
• Desired Time is indicated with the ⊕ icon.

CAN I CHANGE THE CALENDER DISPLAY?

Press the ▦ button to change how the Calendar is displayed.
• Full Weekday
• Month/Date/Year
• Weekday/Month/Date.

DOES THIS CLOCK HAVE A BACKLIGHT?

Yes, your clock has a backlight with 5 levels of intensity (OFF, 1, 2, 3, 4).
• Power cord use is required for constant backlight.
• Press and release the ☀ button to adjust the backlight intensity or to turn it off.
• Intensity levels: 0% (OFF) | 1.5% | 20% | 50% | 100%

HOW DO I SELECT WHERE TIME AND TEMPERATURE ARE DISPLAY?

Press the ⟳ button to adjust the data displayed on screen.
• Current Time/Indoor Temp
• Current Time/Outdoor Temp
• Desired Time/Indoor Temp
• Outdoor Temp/Desired Time
• Indoor Temp/Desired Time
• Auto-Scroll

When the Auto-scroll ⟳ Icon is showing, the clock will switch between these options every 5 seconds. Continue to press the ⟳ button to stop the auto-scroll. Your clock will stay on the last selection.

Auto-Scroll:
• Current Time/Outdoor Temp
• Outdoor Temp/Desired Time

CAN I ADD SENSORS?

For outdoor readings, an add-on Temperature & Humidity Sensor can be purchased here:
www.lacrossetechnology.com/products/513-1429THv2 #parts

Add-on Sensor:
1. Install batteries Temperature & Humidity sensor.
2. Hold the + (PLUS) button until the Reception Indicator ▪▫▫▫ starts to animate. This will start a search for your sensor. Press the TX button on the sensor.
3. Your sensor should connect within the next few minutes.

View Add-on Sensor:
- Press the ⟳ button to view Add-on Sensor readings, Time, Desired Time, or Indoor Temperature & Humidity.

WHAT DOES A READING OF "HI" OR "LO" MEAN?

- If your outdoor temperature reading shows "HI" or "LO", check that your batteries are good.
- Overpowered or underpowered batteries can cause this reading.
- If batteries are good, replace the outdoor sensor.
- If your temperature is fine but your humidity is reading "HI" or "LO" or dashes, your humidity may be below 10% Relative Humidity. Your sensor does not read below 10% humidity.

WHAT DOES "**NO**" MEAN?

- If a sensor loses connection to the clock for any reason, the clock will show **NO** after 30 minutes.
- The clock will search for 3 minutes every hour to reconnect with sensor.
- Hold the **+ (PLUS)** button to search for the sensors in the Outdoor Area
- Icon will flash while searching for sensor. Outdoor area will show dashes during the search. When sensor is received the icon will be solid.
- If no sensor received, icon disappears after 3 minutes of searching if sensor is not found.
- **NO** will again show in the outdoor sensor area.

FACTORY RESET: HOW DO I FACTORY RESET MY CLOCK?

To factory reset your clock:
1. Remove batteries and press any button 20 times.
2. Reinsert batteries.