513-1422/513-1422S 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

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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?

513-1422 or 513-1422S: 2 "AA" batteries.

SETUP: HOW DO I SETUP MY CLOCK?

1. Insert 2 "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 **SET** button 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 **SET** button to confirm adjustments and move to the next item.
5. Press the **TIME ADVANCE** button at any time to exit.

Settings order:
- Beep ON/OFF
- Atomic ON/OFF
- DST AUTOMATIC/ DST OFF / DST ON
- Time Zone
- Hour
- Minutes
- Temperature Fahrenheit/Celsius

IMPORTANT: Many of the selections will be indicated by a filled in circle next to a selection. In the example below Beep ON is active and the circle is filled in. If customer selects Beep OFF the circle next to OFF will fill in and the Circle next to ON will be empty. The filled in portion moves as you press the +/- button to fill the selection you have scrolled to.

Beep: ◉ On
⠀⠀⠀⠀⠀○ Off

Note: If Atomic OFF is selected, skip DST and Time Zone selection and move straight to the Hour.

To begin:
1. Hold the SET button for 2 seconds to enter settings mode. **BEEP ON** will show. Press the + or - button to turn the button beep sound off.
2. Press SET to confirm and move to the atomic time ON/OFF. **ATOMIC ON** will show. Press the + or - button if you do not want Atomic Time signal (OFF).
3. Press SET to confirm and move to the Daylight Saving Indicator. **DST** selections will show and **AUTOMATIC** will be selected. Press the + or - button to select DST OFF if you do not observe Daylight Saving Time changes, or to DST ON for all year Daylight Saving Time.
4. Press SET to confirm and move to the Time Zone selections. **EASTERN** will be selected. Press the + or - button to select a different time zone.
5. Press SET to confirm and move to the hour. The **HOUR** will flash. Press the + or - button to choose the hour.
6. Press SET to confirm and move to the minutes. The **MINUTES** will flash. Press the + or - button to choose the minutes.
7. Press SET to confirm and move to the temperature selection. **FAHRENHEIT** will be selected. Press the + or - button if you prefer (Celsius).
8. Press SET to confirm and exit.

WEEKDAY: HOW DO I CORRECT THE DAY OF THE WEEK?

- The day of the week will set when the Year, Month, and Date are set. If your day of the week is incorrect, yet the month and date are correct, please go the program menu and check the YEAR setting.

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

- No, this clock only has 12-Hour time.

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 OFF: Clock remains in Standard Time all year long.
DST ON: Clock remains in Daylight Saving Time all year long.

HOW DO I VEIW INDOOR TEMPERATURE OR SECONDS?

- Press the + (PLUS) button to switch between Indoor Temperature or Seconds displayed.

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 **SET** 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 TIME ADVANCE 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 TIME ADVANCE 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 TIME ADVANCE button to confirm and exit.

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

HOW DO I SET A TIME ALARM?

Set Alarm:
1. Hold the ALARM button to enter Alarm Settings. "**AL**" will show. Use the + or - button to adjust values.
2. Press the ALARM button to confirm and move to next item.
3. Press the TIME ADVANCE button any time to exit.

Activate/Deactivate Alarm:
Alarm:
◉ On ○ Off

• The alarm is active when set.
• Press the ALARM button to deactivate or activate the alarm. The alarm time will show for 2 seconds.
• Alarm Icon 🔔 will show when active.

Note: The alarm will only sound based on the **local time** and not the time advance time.

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.