

308-1409BNH_308-1409WNH 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 station. 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 the best performance in your sensors.
- Batteries with an expiration date of 2029, were manufactured in 2019.
- We recommend batteries with an expiration date no more than 6 years in advance of the current year for best performance.
- A minimum voltage of 1.48 v per battery is required for the best performance.

BATTERIES: WHAT DO THE BATTERY ICONS MEAN?

- When the Battery Indicator shows in the outdoor area, replace the batteries in your Outdoor Sensor.
- When the Battery Indicator shows next to your Time or the Indoor area, replace the batteries in your Station.

STATION

Compatible sensor: TX141-B series Temperature sensor 433MHz RF

Transmission Range 330 feet (100 meters) open air.

WHAT ARE THE POWER REQUIREMENTS?

308-1409BNH_308-1409WNH: 2-AAA batteries

TX141-B series sensor: 2-AA batteries

WILL THESE STATIONS WORK IN OTHER COUNTRIES?

- Yes.

SETUP: HOW DO I SET UP MY STATION?

1. Insert 2 AA batteries into your Outdoor Sensor and 2 AAA batteries into your Station.
2. Adjust the time and date settings on your station.

POSITION STATION

Your station is designed for placement on a desk or countertop.

- The best reception occurs when only one wall is between your station and your sensor outside.
- Position your station six feet from other electronics and wireless devices. If you suspect RF (radio frequency) interference, simply move your weather station a few feet.
- Electrical wires, utilities, cables, etc. may create interference if too close.

TIME: DOES MY STATION HAVE ATOMIC TIME?

- No. The time needs to be set manually on your station.

HOW DO I MANUALLY SET THE TIME?

1. Hold the **SET | HI/LO button** for 2 seconds to enter settings mode.
2. Press the + °F/°C button to adjust the flashing values. Hold the + °F/°C button to adjust quickly.
3. Press the **SET | HI/LO button** to confirm adjustments and move to the next item. Or exit.

Settings Order:

- 12HR/24HR
- Hour
- Minutes
- Fahrenheit/Celsius

Settings Menu

1. Hold the SET | HI/LO button to select 12/24-hour time. **12 Hr.** will show. Press the + °F/°C button to select the 24-hour time format.
2. Press SET to confirm and move to the hour. The HOUR will flash. Press the + °F/°C button to choose the hour.
3. Press SET to confirm and move to the minutes. MINUTES will flash. Press the + °F/°C button to choose the minutes.
4. Press SET to confirm and move to the temperature unit. °F will show. Press the + °F/°C button if you prefer Celsius °C. Press and release the SET | HI/LO button to confirm and exit.

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

DOES THIS STATION HAVE 12-HOUR AND 24-HOUR TIME OPTIONS?

- Yes, you can select 12 hours or 24-hour time format in the [program menu](#) of your station.

HOW DO I SWITCH FROM FAHRENHEIT TO CELSIUS?

- Press the +/°F/°C button to switch between Fahrenheit or Celsius temperature display.

HOW DO I VIEW HI/LO RECORDS?

From the normal display, press and release the **SET | HI/LO button** to view outdoor and indoor High and Low temperature records. These records are for the past 24 hours based on the time of the button press. This is a rolling 24-hour value.

Viewing order:

- Outdoor HI Temp
- Outdoor LO Temp
- Indoor HI Temp
- Indoor LO Temp

Reset History Readings (each reset individually):

- Press and release the **SET | HI/LO button** to view individual readings.
- When viewing the History Record, **hold** the **SET | HI/LO button** for five seconds to reset the individual values.

WHAT DO THE ARROWS MEAN?

The temperature (2°F / 1°C) trend indicators update every 15 minutes. The trend reflects changes over the past 3 hours.



UP ARROW – Temperature is rising



DOWN ARROW – Temperature is falling.

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 the 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 the sensor loses connection to the weather station for any reason, the weather station will show **NO** after 20 minutes.
- The weather station will search for 3 minutes every hour to reconnect with the sensor.
- Hold the + °F/°C button to search for the outdoor sensor.
- The Reception Icon will flash while searching for the sensor. The outdoor sensor area will show dashes during the search.
- When the sensor is received the icon will be  solid.
- If no sensor is received, the icon will disappear after 3 minutes of searching if the sensor is not found. **NO** will again show in the outdoor sensor area.

WHY DOES MY TEMP/HUMIDITY READING COME AND GO?

- RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g., moist climates).
- If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patient – these stations can reconnect on, after many hours out.
- RF (radio frequency) communication is not always 100% on. Certain temporary conditions can cause it to go out for a time (e.g., 100% humidity).

If a miss happens:

- If the sensor loses connection to the station for any reason, the station will show NO after 30 minutes.
- The station will search for 5 minutes every hour to reconnect with the sensor.
- Be sure you have good [batteries](#). Manually search for your sensor.

Try this:

- Bring your sensor within 10 feet of your station and make sure it is connected to the station.
- After 15 minutes move the sensor into the next room with a wall between the sensor and the station for 1 hour.
- If there is no loss of signal in that hour, move the sensor just outside.
- Continue moving the sensor back to its original location.
- If you lose connection, look for sources of [interference](#).

WHAT IS DISTANCE | RESISTANCE | INTERFERENCE?**Distance:**

- The maximum transmitting range in open air is over 330 feet (100 meters) between each sensor and your station.
- Consider the signal path from your station to each sensor as a straight line.
- Consider the distance the station is from other electronics in the home.

Resistance:

- Each obstacle: walls, windows, vegetation, stucco, concrete, and large metal objects will reduce the effective signal range by about one-half.
- Mounting your sensors on a metal fence can significantly reduce the effective signal range.

Interference:

- Consider electronics in the signal path between the sensors and your station.
- Simple relocation of the sensors or the station may correct an interference issue.
- Windows can reflect the radio signal.
- Metal will absorb the RF (radio frequency) signal.
- Stucco held to the wall by a metal mesh will cause interference.
- Transmitting antennas from ham radios, emergency dispatch centers, airports, military bases, etc. may cause interference.
- Electrical wires, utilities, cables, etc. may create interference if too close.

CAN I CHANGE THE BATTERIES IN MY SENSORS WITHOUT LOSING THE DATA?

We designed this station for convenience so that a simple change of batteries does not lose data or require you to power down your station.

- When the Battery Indicator shows in the Outdoor Sensor area, replace the batteries in your Outdoor Sensor.
- Then hold the + °F/°C button and your station will search for your sensor.
- When changing the batteries in the color station, continue using the power cord. After replacing the batteries, no other action is needed. The batteries in the station only maintain time/date in the event of a power outage.

FACTORY RESET: HOW DO I FACTORY RESET MY STATION?

- This is a great way to return your station to “out of the box” condition.

To factory reset your station:

1. Bring your sensor in and place it 5-10 feet from both stations.
2. Remove power from the station and sensor for 15 minutes.
3. With power removed press any button 20 times.
4. Insert batteries into the sensor and stations.
5. Allow 15 minutes for them to connect several times.
6. Place the sensor back outside.