

# 330-2315 FAQs

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## BATTERIES

- ✓ Half of all warranty issues can be resolved with fresh batteries of the appropriate voltage.
- ✓ We suggest name brand alkaline batteries.
- ✓ Use batteries dated at least six years in advance of the current year. Batteries dated earlier than six years from now may still work, but may be unstable in performance.
- ✓ Alkaline batteries manufactured this year will have an expiration date 10 years in the future. Battery technology has improved and batteries will maintain voltage longer in storage. However, the environment the batteries reside in for the 10 years can deplete the power.
- ✓ Good name brand Alkaline batteries make less noise, which reduces the chance of RF (radio frequency) interference from the battery compartment. A minimum voltage of 1.48V for each battery is necessary for proper performance.

## WEATHER STATION FACTORY RESTART

The factory reset will return the Weather station to its default settings. This will clear all previous recorded history, so you may want to write down data before taking this step.

1. Bring the Multi-sensor and Thermo-hygro sensor within 10 feet of the weather station.
2. Check that both sensors have fresh batteries.
3. Hold the **LIGHT** and **ALERTS** buttons together for 5 seconds to reset the Weather station, clear all records, clear all sensor IDs, and return all settings to default.
4. The Weather station will fully populate, then return to a normal display and search for outdoor sensors. (You may want to bring sensors closer and check/change batteries).
5. While searching for the outdoor sensors the Wind Speed, Outdoor Temperature/Humidity and Rainfall totals will show dashes.
6. Once connected to the outdoor sensors (allow 3 minutes) the Wind Speed, Outdoor Temperature/Humidity, and Rainfall will show current readings.

**Note:** In the absence of wind or rain, these readings will show 00's, indicating sensor connection.

## BATTERY CHANGE

After a battery change in a sensor, you can search for the sensor again:

1. In normal mode press and release the SENSOR button to view individual sensor ID's for up to 15 seconds.
  2. When you see the sensor's ID number, press and release the + button to search for that sensor.
- ✓ If this fails to connect the sensors to the station, bring the sensors about 10 feet from the station and complete a [Factory Restart](#).

## POWER REQUIREMENTS

- ✓ 2-AA batteries power the thermo-hygro sensor
- ✓ 3-AA batteries for the Multi-sensor (Wind, Rain)
- ✓ 3-AAA Alkaline batteries for the Weather station

## COMPATIBLE SENSORS

- ✓ TX233TH Thermo-hygro
- ✓ TX233RW Rain | Wind
- ✓ These 915MHz sensors will read to this Weather station.

## THERMO-HYGRO SENSOR

### DASHES SHOWN FOR OUTDOOR TEMPERATURE/HUMIDITY

- ✓ Dashes means the connection is lost between the weather station and the outdoor sensor.
- ✓ Batteries often resolve the connection.
- ✓ Distance/Resistance can cause loss of connection between the sensor and the Weather station.
- ✓ Reorientation of the Weather station 90 degrees towards the thermo-hygro sensor may provide better reception by the antenna.
- ✓ Replace the batteries in the thermo-hygro sensor and wait three hours.
- ✓ Each sensor has a unique ID, and will be synced to the correct sensor location on the display until manually deleted.
- ✓ If sensor loses connection to the weather station for any reason, the weather station will show dashes after 30 minutes.
- ✓ The weather station will search for 5 minutes every hour to reconnect with sensor.

## MANUAL SENSOR SEARCH

Each sensor has a unique ID, and will be synced to the correct sensor location on the display until manually deleted.

To search for a sensor:

1. In normal mode press and release the SENSOR button to view individual sensor ID's for up to 15 seconds.
2. When you see the sensor's ID number, press and release the + button to search for that sensor.

## REPLACE SENSOR

Each sensor has a unique ID, and will be synced to the correct sensor location on the display until manually deleted.

To replace a faulty sensor:

1. In normal mode press and release the SENSOR button to view individual sensor's ID's for up to 15 seconds.

2. Hold the **MINUS** button for 5 seconds to delete the sensor, who's ID is shown.
3. Install batteries into the replacement sensor. Weather station will search for new sensor.
4. When the new sensor is received by the station, the sensor's unique ID will be synced on the display.
5. Unique sensor IDs prevent readings from other sensors being read by the station.

### INACCURATE OUTDOOR TEMPERATURE/HUMIDITY

- ✓ The thermo-hygro sensor reads the environment. When the sensor reads high during the day but not at night it is a mounting problem.
- ✓ Press and release the SENSOR button to view sensor ID. Compare with ID sticker in battery compartment of sensor.
- ✓ **Side-by-side test:** Bring the thermo-hygro sensor in the house and place it next to the Weather station for 2 hours.
- ✓ Compare indoor and outdoor temperature. The temperatures should be within 4 degrees to be within tolerance. The humidity should be within 14% to be within tolerance.
- ✓ If the sensor reads correctly when next to the Weather station then try a different location outside.
- ✓ Look for heat sources such as sunlight, door or window frames, or reflected heat.

### OUTDOOR TEMPERATURE/HUMIDITY IS STUCK OR OFL

- ✓ Check batteries. Overpowered or underpowered batteries can cause this reading.
- ✓ Replace outdoor sensor.

### INTERMITTENT OUTDOOR TEMPERATURE/HUMIDITY

- ✓ RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g. moister climates).
- ✓ If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patience – 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 sensor loses connection to the weather station for any reason, the weather station will show dashes after 30 minutes.
- ✓ The weather station will search for 5 minutes every hour to reconnect with sensor.
- ✓ Try the manual sensor search.

### THERMO-HYGRO SENSOR DRAINS BATTERIES QUICKLY

- ✓ Test a new set of Alkaline batteries. Write down the date of installation and the voltage of the batteries.

- ✓ When the batteries fail, please note the date and voltage again. This is helpful in determining the problem.
- ✓ Check the distance and resistance between the sensor and Weather station. Sensors at the end of the range may work while batteries are fresh but not after they drain a bit.
- ✓ Check for leaking batteries, which may damage the sensor.

### HUMIDITY SHOWS DASHES BUT TEMPERATURE WORKS

- ✓ The humidity low range is 10% RH. If your local humidity is below 10% you will see this reading.
- ✓ If temperature is working the sensor is working
- ✓ Press and release the SENSOR button to view sensor ID. Compare with ID sticker in the battery compartment of the sensor.

### FAHRENHEIT/CELSIUS

- ✓ Enter the program menu to select in Fahrenheit (°F) or Celsius (°C).

### HI | LO TEMPERATURE/HUMIDITY RECORDS

Press and release the TEMP button to view HI/LO temperature and humidity readings with time/date stamp.

- Outdoor temperature HIGH
- Outdoor temperature LOW
- Outdoor humidity HIGH
- Outdoor humidity LOW
- Indoor temperature HIGH
- Indoor temperature LOW
- Indoor humidity HIGH
- Indoor humidity LOW
- Feels like HIGH
- Feels like LOW
- Outdoor dew point

Note: Feels Like and Dew Point is not time/date stamped.

### RESET HI | LO RECORDS

1. While viewing individual values, hold the **MINUS** button for five seconds to reset the value.
2. Temperature, humidity, time and date stamp will reset to current.

### MULTI-SENSOR (WIND, RAIN)

- ✓ The Multi-sensor transmits directly to the station.

### WIND CUPS SPINNING SLOW OR NOT SPINNING

- ✓ Check for debris or ice in cups.
- ✓ Check mounting location. Look for obstructions that prevent the wind from reaching the sensor.

- ✓ In most cases, the wind sensor needs to be 4-6ft above the highest point on the roof in order to clear nearby obstructions and read accurately.
- ✓ A 50-foot clearance in all directions is best.
- ✓ Push down firmly on the center of the cups to reseal them.
- ✓ Cups are replaceable.

## REPLACE WIND CUPS OR WIND VANE

### Replace wind cups:

1. Loosen the screw on side of cups
2. Remove cups
3. Install new cups
4. Tighten screw

**Note:** The screw in the wind cups will fit on the flat side of the metal stem on the sensor.

### Replace directional vane:

1. Loosen the screw on side of vane
2. Remove direction vane
3. Install new vane
4. Tighten screw

**Note:** The directional vane attached to the stem on the sensor. The screw will tighten to the flat side of the stem for a secure fit.

## WIND SPEED IS 0.00

- ✓ Check that the wind cups are attached to the sensor. Occasionally they can come off.
- ✓ Check that the cups seat properly by pushing on the center of the cups.
- ✓ Check that the cups spin freely.

## WIND READING IS INTERMITTENT OR SHOWS DASHES

- ✓ RF (radio frequency) interference is normal; the occasional outage is possible.
- ✓ Check for sources of RF (radio frequency) interference such as Ham radio or electric transformers nearby.
- ✓ Move the Weather station away from cordless phones, wireless routers, etc.
- ✓ Check the environment for unusual moist/humid conditions (moisture reduces RF (radio frequency) signal in electronics).
- ✓ Distance/Resistance can cause loss of sensor signal.
- ✓ Relocate the wind sensor closer to the station.
- ✓ Mounting on a metal or white PVC pole may cause RF interference or static.
- ✓ Please note if there are certain times of the day or night that the unit lose signal. Details are helpful in resolving the problem.
- ✓ Check that batteries are fresh in the thermo-hygro sensor.
- ✓ Try the manual sensor search.
- ✓ Press and release the SENSOR button to view sensor's ID. Compare with ID sticker on sensor.

## WIND SPEED IS INACCURATE

- ✓ Check the unit of measure (MPH, KM/H or M/S).
- ✓ Check to see if the Weather station receives the same repetitive wind speed recording from the sensor multiple times.
- ✓ Confirm the direction is working correctly.
- ✓ Check that the cups turn freely.
- ✓ Check for obstructions that prevent clear wind flow to the cups.
- ✓ Check mounting. In most cases, the wind sensor needs to be 6 feet or more above the highest point on the roof in order to clear nearby obstructions and read accurately. A 50-foot clearance in all directions is best.
- ✓ It is helpful to send pictures of the sensor mounting, if you need to contact customer support.

## WIND READING IS OFL

- ✓ Check the batteries.
- ✓ Replace multi-sensor.

## MULTI-SENSOR SOLAR PANEL

The sensor is designed to operate on battery power. The solar panel alone will not operate the sensor 24/7. The solar panel extends battery life.

- ✓ The solar panel will operate the sensor with sufficient sunlight.
- ✓ Batteries are required to operate the sensor at night or days without sufficient sunlight.
- ✓ The solar panel extends the battery life.

## UNDERSTANDING WIND READINGS

### Wind Speed Readings-Updates Every 30 seconds

- ✓ **Current Speed:** Top wind speed every 30 seconds
- ✓ **Top Speed:** Highest instantaneous reading in the past 60 minutes. Updates, when a higher wind speed has occurred.

### Wind History:

Press and release the **WIND** button to view the maximum wind history values.

- One Hour: past 60 minute period (default record no time stamp)
- 24-hour: Past 24 hour period, from last record
- 7 Days: Past 7-day period, from last record
- Month: Defined by Calendar Month i.e. January 1 - January 31
- Year: Defined by Calendar Year i.e. January 1 - December 31

## RESET WIND HISTORY

1. While viewing individual values, hold the **MINUS** button for five seconds to reset the value.
2. Wind Speed, time and date stamp will reset to current.

## WIND AREA IS BLANK (NO DASHES OR NUMBERS)



- ✓ Check that other areas of the Weather station read properly. There may be a problem with the Weather station.

### RAIN READINGS

Press and release the **RAIN** button to view rain history:

- One Hour: past 60 minute periods
- Last 24 Hours: Total rain that occurred from now, back 24 hours.
- Day: 24 hr. period from 12:00am - 11:59pm. With time stamp
- 7 Days: Past 7-day period, from last record
- Month: Defined by Calendar Month i.e. January 1 - January 31
- Year: Defined by Calendar Year i.e. January 1 - December 31
- Total: running total since station was powered up.

### RESET RAINFALL HISTORY

- ✓ While viewing individual rain values, hold the **MINUS** button for five seconds to reset the value.
- ✓ Rainfall, time and date will return to current readings.

### RAIN READS 0.00

- ✓ Firmly pull up on the flat side of the black rain funnel to remove it from the sensor.
- ✓ Check the funnel and the inside of the rain sensor for insect nests or debris that may cause loss of rocker motion.
- ✓ Check the batteries.
- ✓ Mount the rain sensor using the bubble level on top of the sensor.
- ✓ Use the eraser end of a pencil to manually tip the rocker of the rain sensor 10 times.
- ✓ Wait at least 2 minutes for all the rain to collect.
- ✓ Check the rain area on the weather station for a reading.

### RAIN READS DASHES

The weather station and rain sensor are not connected.

- ✓ Check the batteries in the multi-sensor.
- ✓ Distance/Resistance can cause loss of sensor signal.
- ✓ Orient the weather station 90 degrees towards the rain sensor for better reception.
- ✓ Try the manual sensor search.

### RAIN READS OFL

- ✓ OFL indicates that the Weather station is receiving a signal from the sensor.
- ✓ The Weather station will read OFL if it has counted more inches of rain (from testing, interference, etc.) than it is designed to read (0" to 393.7" (0 to 9999 mm)).
- ✓ Check for sources of interference such as other wireless rain sensors, ham radios or large electrical transformers. This may cause rain to add up when there is no rain.

## RAIN READS LOW

- ✓ Low rain readings indicate the rain sensor and weather station are connected.
- ✓ Check that the rocker tips freely.
- ✓ Check the funnel and the inside of the rain sensor for insect nests or debris that may cause loss of rocker motion.
- ✓ Be sure to mount the rain sensor level by checking the bubble level on top of the sensor.

### **Complete a Manual Tip Test and a Water Tip Test and compare them:**

Manual Tip test: Write down the Total Rain reading or reset the Rain Total to 0.00. Use the eraser end of a pencil to manually tip the rocker of the rain sensor 10 times (five each way). Wait at least 2 minutes for all the rain to collect.

Water Tip Test: Write down the Total Rain reading or reset the Rain Total to 0.00. With Rain Sensor mounted slowly pour water into the funnel to tip the rocker of the rain sensor 10 times (five each way). Wait at least 2 minutes for all the rain to collect.

- ✓ Compare these tests. If they are the same, then the rain is reading correctly. If the rain readings are different, repeat the test 3 times to avoid human error. Then look for causes such as mounting too tight or debris clogging the funnel.

## RAIN READS HIGH

- ✓ Check for sources of RF (radio frequency) interference such as other wireless rain sensors, ham radios or electric transformers.
- ✓ Keep the weather station six feet from cordless phones or wireless routers etc.
- ✓ Complete a Manual Tip Test and a Water Tip Test and compare them:

Manual Tip test: Write down the Total Rain reading or reset the Rain Total to 0.00. Use the eraser end of a pencil to manually tip the rocker of the rain sensor 10 times (five each way). Wait at least 2 minutes for all the rain to collect.

Water Tip Test: Write down the Total Rain reading or reset the Rain Total to 0.00. With Rain Sensor mounted slowly pour water into the funnel to tip the rocker of the rain sensor 10 times (five each way). Wait at least 2 minutes for all the rain to collect.

- ✓ Compare these tests. If they still read high then contact support.

## RAIN AREA (NO NUMBERS OR DASHES)

- ✓ Check that other areas of the weather station read properly. There may be a problem with the weather station.

## CLEAN RAIN SENSOR

1. Remove rain funnel (pull flat side firmly upward).
2. Gently remove debris or insects inside the rain sensor.
3. Clear debris from drain vents.

4. Clear debris from the rain funnel.

5. Reinstall the rain funnel.

**Note:** Do not oil the rain sensor.

## ALERTS: TEMP | HUMIDITY | WIND, RAIN

There are 10 programmable weather alerts available on this weather station.

- Outdoor LOW Temperature ON/OFF
- Outdoor LOW Temperature Value -40°F-140°F (-40°C-60°C)
- Outdoor HIGH Temperature ON/OFF
- Outdoor HIGH Temperature Value -40°F-140°F (-40°C-60°C)
  
- Outdoor LOW Humidity ON/OFF
- Outdoor LOW Humidity Value 10%RH-99%RH
- Outdoor HIGH Humidity ON/OFF
- Outdoor HIGH Humidity Value 10%RH-99%RH
  
- Indoor LOW Temperature ON/OFF
- Indoor LOW Temperature Value 32°F-122°F (0°C-50°C)
- Indoor HIGH Temperature ON/OFF
- Indoor HIGH Temperature Value 32°F-122°F (0°C-50°C)
  
- Indoor LOW Humidity ON/OFF
- Indoor LOW Humidity Value 10%RH-99%RH
- Indoor HIGH Humidity ON/OFF
- Indoor HIGH Humidity Value 10%RH-99%RH
  
- 24-hour Rainfall ON/OFF
- 24-hour Rainfall Value 0-393 inches (0-99.9mm)
  
- High Wind Speed ON/OFF (CURRENT wind)
- High Wind Speed Value 0-111.8 (0-180kph) (CURRENT wind)

**Set Alerts:** Hold the ALERTS button 2 seconds to enter alert set mode. Outdoor Low Temperature alert OFF will show.

### **Alert ON:**

1. Press the +/- buttons to arm the alert.
2. Press the ALERTS button and the alert value will flash
3. Press the +/- buttons to set the alert value (Hold to set quickly).
4. Press ALERTS button to move to next alert.

### **Alert OFF:**

1. Alerts are OFF unless armed. If you do not wish to set and alert, simply press the

ALERTS button again to move to the next alert.

## MOUNTING/POSITIONING

First, set everything up in the house to be sure it works before mounting the sensors outside.

### TX233TH Thermo-hygro sensor:

#### Option 1

- ✓ Install one mounting screw into a wall leaving some extended.
- ✓ Place the transmitter onto the screw; gently pull the transmitter down to lock the screw into place.

#### Option 2

- ✓ Insert the mounting screw through the front of the transmitter and into the wall.
- ✓ Tighten the screw to snug (do not over tighten).
- ✓ Mount the temperature/humidity sensor on a north-facing wall or in any well-shaded location. Sun will make it read high.
- ✓ Under an eave or deck rail is preferred.
- ✓ Be sure the TH sensor is mounted vertically to drain moisture.
- ✓ Avoid mounting under a metal roof and use stainless screws for best transmission.
- ✓ The maximum wireless transmission range to the Weather station is over 330 feet (100 meters) in open air.

### TX233RW Multi-sensor:

- ✓ For most accurate wind speed and rainfall readings, mount the Multi-sensor in an open area clear for 50 feet in all directions.
- ✓ Mount with the solar panel facing south so the wind direction is correct. See N, S, E W, embossed on the top of the sensor.
- ✓ Use the bubble level on the top of the sensor to ensure it is level, for accurate rainfall readings.
- ✓ The maximum wireless transmission range to the station is over 330 feet (100 meters) in open air, not including walls or trees.
- ✓ Cups should be on the top of the sensor.
- ✓ Attach to mounting surface with screws through the mounting bracket.
- ✓ With the mounting bracket, the sensor can attach from the bottom or from the side.

**Note:** you will occasionally need to clear debris from the rain sensor.

#### Use your own mounting pole:

- ✓ Insert your own mounting pole (1.25 or less diameter) into the sensor.
- ✓ Tighten screws
- ✓ Mounting bracket would not be used.

## DISTANCE/RESISTANCE/INTERFERENCE

### Distance:

- ✓ The maximum transmitting range in open air is over 330 feet (100 meters) between the sensors and the weather station.

- ✓ Consider what is in the signal path between the weather station and the sensors.
- ✓ Consider the distance the weather station is from other electronics in the home.

### **Resistance:**

- ✓ Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range.
- ✓ When considering the distance between the sensor and the Weather station (330 feet, 100 meters open air) cut that distance in half for each wall, window, tree, bush or other obstruction in the signal path.
- ✓ Closer is better.
- ✓ Do not mount the sensors on a metal fence. This significantly reduces the effective range.

### **Interference:**

- ✓ Consider items in the signal path between the sensors and the Weather station.
- ✓ Simple relocation of the sensors or the weather 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.
- ✓ Vegetation is full of moisture and reduces signal.
- ✓ Dirt: Receiving a signal through a hill is difficult.

## **WEATHER STATION**

### **12 | 24-HOUR TIME FORMAT**

- ✓ Time display: 12-hour or 24-hour format.
- ✓ Default is 12-hour time.
- ✓ Use the [Program Menu](#) to switch time formats.

## **POWER REQUIREMENTS**

- ✓ 5.0 Volt AC adapter powers the station
- ✓ Optional 3-AAA Alkaline batteries.

## **MANUALLY SET TIME: PROGRAM MENU**

- ✓ The **SET** button will move through the program menu.
- ✓ The **+/-** buttons will adjust values.
- ✓ Press the **LIGHT** button at any time to exit.

### **Program Menu:**

1. BEEP ON/OFF
2. Time zone (-12 to +12)
3. Auto DST ON/OFF (Daylight Saving Time)
4. Hour
5. Minutes

6. 12h/24h hour format
7. Year
8. Month
9. Date
10. Temperature (C/F)
11. Wind degree or direction (letters) select
12. Wind speed select (mph/kmh)
13. Rainfall unit select (in/mm)

**Program Menu:**

1. Hold the **SET** button two seconds to enter time set mode.
  2. BEEP ON will show. Press the + / - buttons to turn the beep sound OFF.
  3. Press the **SET** button to confirm adjustments and move to Time Zone.
  4. TIME ZONE -5H will show. Press the + / - buttons to select your time zone.
    - -4H =Atlantic
    - -5H =Eastern
    - -6H =Central
    - -7h =Mountain
    - -8H = Pacific
    - -9H =Alaskan
    - -10H = Hawaiian
- IMPORTANT:** North American time zones are negative numbers.
5. Press the **SET** button to confirm adjustments and move to AUTO DST (Daylight Saving Time Indicator) ON/OFF.
  6. AUTO DST ON and will show. Press the + / - buttons to disable the daylight saving time indicator (OFF).
  7. Press the **SET** button to confirm adjustments and move to set the hour.
  8. The Hour will show. Press the + / - buttons to adjust the hour.
  9. Press the **SET** button to confirm adjustments and move to set the minutes.
  10. The Minutes will show. Press the + / - buttons to adjust the minutes.
  11. Press the **SET** button to confirm adjustments and move to 12 or 24-hour time format.
  12. 12Hr FORMAT will show. Press the + / - buttons to change to 24 hour time format.
  13. Press the **SET** button to confirm adjustments and move to set the year.
  14. YEAR and the four-digit year will show. Press the + / - buttons to adjust the year.
  15. Press the **SET** button to confirm adjustments and move to set the month.
  16. MONTH will show. Press the + / - buttons to adjust the month.
  17. Press the **SET** button to confirm adjustments and move to set the date.
  18. DATE and a number will show. Press the + / - buttons to adjust the date.
  19. Press the **SET** button to confirm adjustments and move to select Fahrenheit or Celsius.
  20. TEMP °F will show. Press the + / - buttons to change to Celsius.
  21. Press the **SET** button to confirm adjustments and choose your Wind Direction display in numbers or cardinal direction (N, S, E, W).
  22. WIND DIR will show and wind direction in numbers or letters will show below the compass rose. Press the + / - buttons to how to display your wind direction.
  23. Press the **SET** button to confirm adjustments and select wind speed in MPH or KMH.
  24. WIND MPH (miles per hour) will show. Press the + / - buttons if you prefer KMH (kilometers per hour).

25. Press the **SET** button to confirm adjustments and move to select rain in Inches or Millimeters.
26. RAIN IN (inches) will show. Press the + / - buttons to change to "MM" millimeters).
27. Press and release the SET button to confirm and exit.
28. **Note:** Press the LIGHT button at any time to exit.

## BACKLIGHT

**A/C adapter:** The backlight is on continuously when operating the station with the 5-volt a/c adapter.

**Note:** When the Adapter is NOT in use, the Hi/Low/Off light feature is not available.

Try this exercise in a dim room. The station has a bright, dim and OFF setting for the backlight. Wait 15 seconds after pressing the LIGHT button to see if backlight stays on. This will assure it is not in OFF mode.

1. Be sure the AC cord is correctly inserted to the station and the outlet.
2. Remove the batteries.
3. Press the LIGHT button. If the backlight comes on and the display is active your AC cord works.
4. Wait 15 seconds to see if the back light stays on.
5. If the backlight goes out after 15 seconds, repeat #3.

## FORECAST ICONS INACCURATE

The Weather station predicts weather condition of the next 12-hours based on the change of atmospheric pressure with 70-75% accuracy.

**Note:** As weather conditions cannot be 100% correctly forecasted we are not responsible for any loss caused by an incorrect forecast.

### Forecast Icons:

- ✓ Sunny
- ✓ Partly Sunny
- ✓ Cloudy
- ✓ Rain
- ✓ T-Storm
- ✓ Snow

**Note:** The "snow" icon appears when the temperature is below 32°F (0°C) and the forecast is rainy or stormy.

- ✓ The Weather station calibrates barometric pressure based on its location over time to generate an accurate, personal forecast. Please allow 7-10 days for barometer calibration.
- ✓ The forecast station samples the barometric pressure every twelve minutes. These samples are averaged hourly and daily then stored in nonvolatile memory. The three hour pressure icon change is based off of the last four average hourly readings.

- ✓ **IMPORTANT:** As the Weather station builds memory, it will compare the current average pressure to the past forty day average pressure for increased accuracy. The longer the Weather station operates in one location the more accurate the forecast icons will be.

## TREES CHANGE COLOR SEASONALLY

The trees and foliage color will change seasonally. Programmed dates in the weather station tell the trees when to change automatically.

**Spring:** March 20th – Jun 20th



**Summer:** Jun 21st – Sep 20th



**Autumn:** Sep 21st – Dec 20th



**Winter:** Dec 21st – Mar 19th



## CONNECT TO WEATHER UNDERGROUND REQUIREMENTS

- Weather Underground account with Personal Weather Station (PWS) ID and Password, (you can set this up through the Weather Connect App).
- Mobile device with WiFi service (do not use 3G or 4G network) that can download the Weather Connect App.  
**Note:** Cannot connect via computer
- High speed Internet service and router

Weather Connect Mobile Application (free available online):

- iOS App Store, search: Weather Connect
- Android Play Store, search: Weather Connect

## VIDEO CONNECTING YOUR WEATHER STATION

- **Video support at:** <https://www.youtube.com/watch?v=87unKfbd9c>
- Start at 7:54 minutes for video instructions.

### Tips:

- For your security, this app will **only** work on protected WiFi networks.
- Open public networks that require a browser sign in will not work.



## STEP BY STEP INSTRUCTIONS

1. Be sure your weather station is plugged in with the provided power cord.



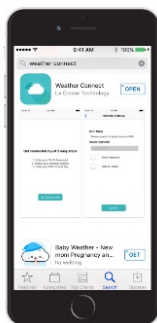
Make sure your station is plugged in using the provided power cord...

2. Double check that your phone is using the same WiFi network that the station will be on.

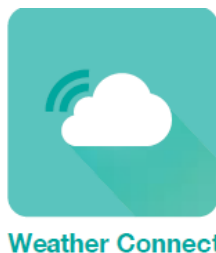


...and that your mobile device is connected to the correct Wi-Fi network.

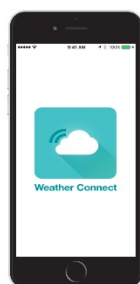
3. Download the Weather Connect mobile app from the Apple Store or Google Play.



Download our  
*Weather Connect*  
mobile app



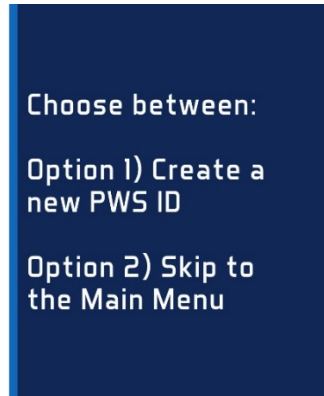
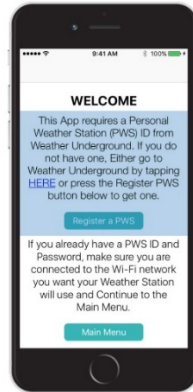
4. Launch the App



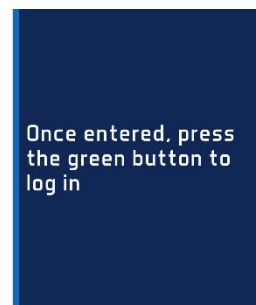
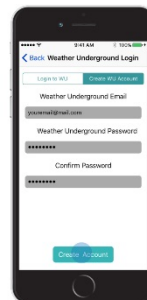
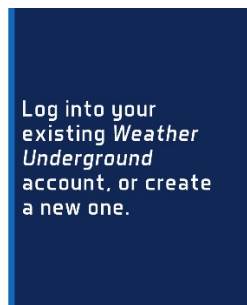
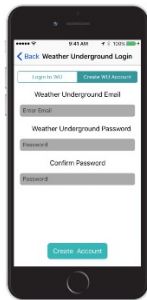
Launch the app

5. Choose Option 1-Create a New PWS ID. (A Personal Weather Station (PWS) ID from Weather Underground). Press the REGISTER A PWS button and the App

will take you through setting up a Weather Underground account and creating a PWS ID.



6. Login into your existing Weather Underground account or create one.

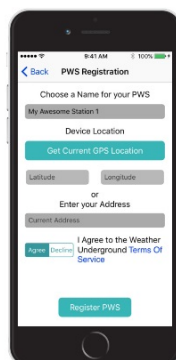


7. Chose a name for your weather station.

8. Then press the green button for your GPS location (Latitude and Longitude).

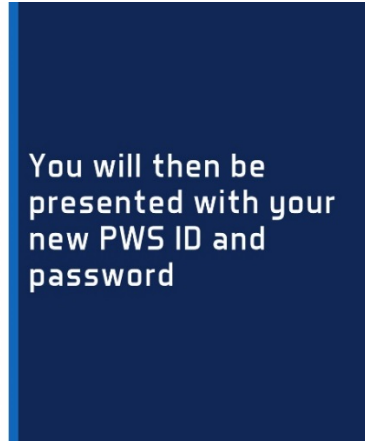
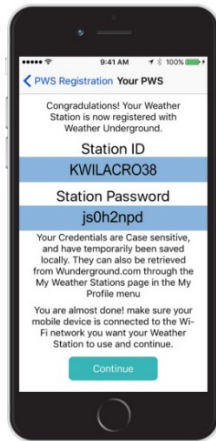
9. Agree to Weather Undergrounds Terms of Service.

10. Press the green Register PWS button.



11. You will be presented with your PWS ID and password from Weather Underground.

**Note:** Write these down as they are saved temporarily on your mobile device. Be sure your device is on the correct network then press the green CONTINUE button.

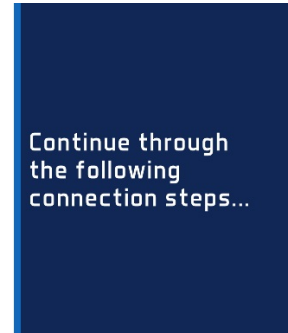
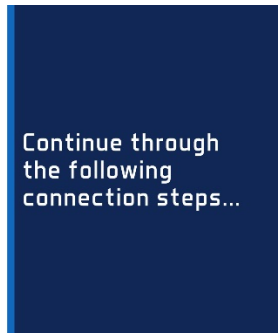
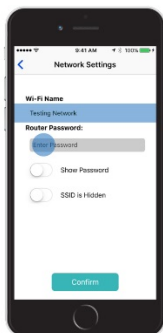


12. Press the green SET DEVICE WIFI button.



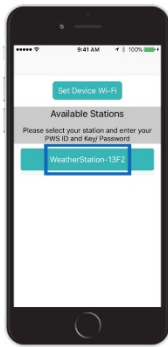
13. Enter your WiFi network password. The WiFi icon on your display should be solid.

**Note:** A solid WiFi icon only indicates that you are connected to the Internet (time and date will set). It does **not** indicate connection to Weather Underground.



14. Select your weather station from the list (There should only be 1).

15. Enter your PWS ID and password from Weather Underground if not already entered. Press the green Save button.

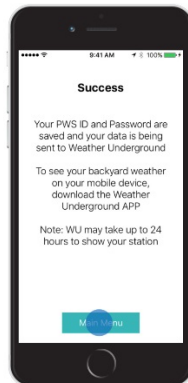


Press the green button with your station's name listed under "Available Stations"



Enter your PWS ID and password, if they are not already populated for you.

16. Congratulations! Your weather data should be available on Weather Underground in a short time and may take up to 24 hours to show on the Weather Underground Mobile App.



Your weather data should be available on *Weather Underground's* website and mobile app within 24 hours

17. You can close the Weather Connect App or delete it from your device if you choose. The Weather Connect App is only a bridge to connect to Weather Underground. Download the Weather Underground Mobile App from Weather Underground.



We do recommend downloading the *Weather Underground* mobile app for easy access to your data

**IMPORTANT:** We cannot trouble shoot the Weather Underground website or mobile app. Problems with Weather Underground should be referred to Weather Underground Customer Support.

## TROUBLESHOOTING CONNECTION TO WEATHER UNDERGROUND

- First, complete a Factory Restart (Hold the LIGHT and ALERTS button together for 5 seconds) to clear the station for a fresh start. Try again.
- If no connection complete these question before contacting La Crosse Technology Customer Support.

### General Questions:

1. What is the WiFi icon showing on the station?
2. Check your mobile device WiFi setting. Is this same WiFi network that the station is on?
3. Are you using a secure WiFi network?
4. What brand and version of mobile device are you using (iPhone 7, Galaxy S7 etc.)?
5. Who is the carrier for your mobile device (Verizon, Sprint, etc.)?
6. Who is you Internet Service Provider (Charter, CenturyLink, etc.)?
7. What is the brand and version of your wireless router (Net Gear AC1200, Linksys AC1900, etc.)?
8. What is your Weather Underground Station ID number?
9. Do you have a steady Internet service or is it intermittent in your location?
10. At what point of the connection process do you stall?
  - Download Weather Connect App
  - Create a Weather Underground account
  - Create a PWS ID and Password on Weather Underground
  - Log into your WiFi network
  - Setting your Weather Underground PWS ID and password in the App.
  - Finishing the connection.
  - Seeing your information on Weather Underground
11. **If at a business:**
  - Is there and extra firewall or security that your IT department needs to allow?
  - Have you tried connecting through different networks?

## STATION WAS CONNECTED TO WIFI AND CONNECTION WAS LOST

- Check that your WiFi network is working.
- If WiFi signal or power to the station is lost, hold the PLUS and MINUS buttons together for 3 seconds to reconnect to the same WiFi network.

## STATION NEVER CONNECTED TO WEATHER UNDERGROUND

**Station never connected:** If the station has not uploaded its data to Weather Underground try:

1. Check what your WiFi icon is showing.
  - Slow Flash - No WiFi network connection-check connection  
**Note:** You may not see the slow flash icon if the station finds your active WiFi right away.
  - Fast Flash – Found WiFi network. Configure Weather Connect App
  - Solid - WiFi Connected to Internet -Did it connect through a neighboring network?  
**Note:** Does not indicate connection to Weather Underground, only that the station is connect to the Internet via Weather Connect App).
  - Not displayed -Not connected to WiFi router-check router
    - Be sure station is operating on the power adapter.
    - If you did not set up the station right away, the icon will stop flashing after 1 hour.  
Hold the PLUS and MINUS buttons together for 3 second to reconnect with WiFi.
    - If you moved the station to another network, complete a factory reset (Hold the LIGHT and ALERTS button together for 5 seconds.) This will clear all records and connection to WiFi.
2. Move the station and mobile device to a different network, and check to be sure it is on a protected WiFi network.
3. Complete a Factory Restart to clear the station.

**Factory Restart:** Hold the LIGHT and ALERTS buttons together for 5 seconds until the station resets. This will clear all records and WiFi connection.

## MOVING THE WEATHER STATION TO A DIFFERENT WIFI NETWORK

**Snowbirds or others who move the station to different WiFi networks:**

If you have been using the app to view your weather at your summer home. When you move the station and sensors to your winter home, reconnect your app though the WiFi network at your new location.

1. Start the Weather Connect app and enter the password for the new WiFi network.
2. Hold the PLUS and MINUS buttons on the station for 3 seconds to search for the network.
3. Enter Weather Underground station ID and password.

